

Manufacturers Record

Exponent America



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Baltimore, Md.
MAY 31, 1928

Educating Southern Boys for Farming.

"Why do 90 per cent of the boys educated in agricultural colleges decline to go into agriculture?" is a question which a leading business man of the South, intensely interested in farm prosperity, stated to the Manufacturers Record that he would like to put to the presidents of Southern agricultural colleges. Feeling sure that he was dead wrong in this intimation, the Manufacturers Record asked this question of the president of every State Agricultural College in the South.

The replies are overwhelmingly against the intimation of this Southern business man. They show that he was not at all acquainted with the subject he was discussing, and that on the contrary Southern agricultural colleges can make a showing directly opposite to his views, a showing which should forever set at rest the thought that these colleges are not doing a remarkable work for agricultural activities in the South. A good per cent of the graduates of these colleges are engaged directly in farming, while most of the others are teaching agriculture and handling demonstration farms or engaged in kindred activities connected with agriculture, their services being made valuable by the education they have received.

Many of these boys have had to work their way through college, and they are wholly unable financially to purchase and operate a farm at once, as much as they would like to do so, and if the business men of the South would co-operate with these would-be-farmer boys to a greater extent than they are doing, they would stimulate in generous measure the agricultural prosperity of the South.

Notwithstanding the large proportion of Southern people who are farmers, and notwithstanding the need of skilled men in helping to bring about farm diversification and prosperity, the Southern States have been niggardly in their appropriations for Southern agricultural colleges. Here is a great opportunity which no Southern state should neglect; and here is a field for enthusiastic co-operation with these agricultural graduates on the part of the business men of the South to help them carry forward the work for which they are educated and for which they have to a large extent been compelled to pay their way by individual work in and around the college.

In this issue we give the replies of the agricultural college presidents of the South. These statements are especially worthy of careful study by every man who has not realized and appreciated the magnitude of the work these institutions are doing.

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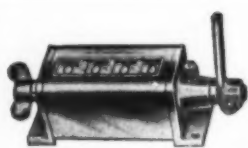
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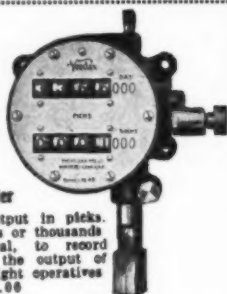


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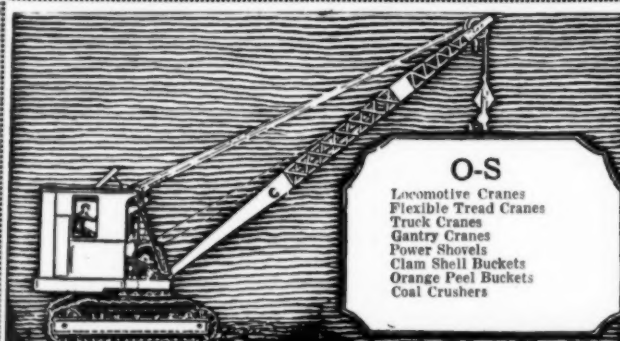
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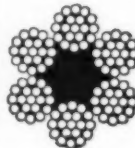
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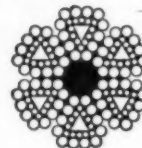
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Manufacturers Record

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Weekly.

BALTIMORE, MAY 31, 1928.

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"Ponderously Futile Bureaucratic Paraphernalia"—President Coolidge.

IN his veto message of the McNary-Haugen Bill, President Coolidge, we think, rises to the highest point in any message he has ever sent to Congress. This message is a masterly analysis of a bill which, as pointed out by the President, if adopted would be fraught with incalculable harm, not only to our constitutional form of government, but to every business interest in the country, and farmers would suffer as well as all other interests.

In no former message, we think, has President Coolidge expressed himself with such logic and such power of argument and we might say invective. Pointing out the unconstitutionality of the measure, he describes it as embodying "an array of perils for agriculture which are the more menacing because of their being obscured in a maze of ponderously futile bureaucratic paraphernalia." Elsewhere he refers to it as "a bureaucratic tyranny of unprecedented proportions," which "would be let down upon the backs of the farm industry and its distributors throughout the nation" in connection with the enforcement of this measure. "Had this bill been in operation in 1925, it would," he said, "have involved collections upon an aggregate of over 16,000,000,000 units of wheat, corn and cotton. * * * Just what this might be would involve judgment on the part of Government employees, upon tens of thousands of transactions running into billions of dollars. This is bureaucracy gone mad. Co-operative associations, flour mills, packing plants and grain elevators would cease to be private and become public agencies."

Referring to some phases of this bill, if passed, President Coolidge said: " * * * Swarms of inspectors, auditors, disbursers, accountants and regulatory officers would be let loose throughout the land to enforce the terms of these contracts and to curb the inevitable attempts at evasion of the equalization fee. This plague of petty officialdom would set up an intolerable tyranny over the daily lives of farmers and of every individual and firm engaged in the distribution of farm products, intruding into every detail of their affairs, setting up thousands of prohibitory restrictions and obnoxious inspections."

"The arbitrary powers," said the President, "in the hands of the 12 members of the board are almost incredible. But even more extraordinary would be the veto power over the board which this measure places in the hands of the commodity advisory councils."

" * * * Even though such efforts would ultimately be

doomed to certain failure, these men would meanwhile, during the course of costly experiment, hold in their hands the fate of vast industries using farm products employing millions of persons and of great co-operatives with thousands of farm members. They could disrupt the settled channels of trade and commerce; they could alter at will the cost of living, influence wage levels in all lines of industry, and affect conditions of business in every part of the country. The mere enumeration of such powers is the complete answer to the proposal that they be granted."

The very germ of American commercial genius, which is so frankly envied by our foreign rivals, the tireless research for better and more efficient business methods, the competitive zeal for superior service would all, according to Mr. Coolidge, be destroyed by this measure. This bill, in effect, would result in the amazing proposal to supply foreign workers with cheaper food than those of the United States, and this at the expense of the American farm industry, thereby encouraging both the foreign peasant, who is not burdened with the cost of any equalization fees, and also affording through reduced food prices the means of reducing the wages paid by foreign manufacturers. Surely it is "bad business," said Mr. Coolidge, "to transfer the farmer's market from an employed American workman to the latter's competitor in the low-wage-scale countries across the sea, whose potential buying power and standards of living, even at best, are far below those of this country."

Classing the measure as "a flagrant case of direct, insidious attack upon our whole agricultural and industrial strength," Mr. Coolidge then turns to some of the other effects of such a bill, under which, for instance, a surplus of cotton would be dumped in foreign markets at a very much lower price than American mills would have to pay. The result would be that these foreign mills would not only be able to capture the foreign markets for American cotton goods, but would be able to ship into this country their products manufactured at a low cost for raw material and at low wages, and thus could destroy the cotton manufacturing interests of our own country, which President Coolidge says would be "indeed a tragic, if not disastrous, episode."

We have taken but a few of the outstanding points made by the President in this veto message. His arguments and his facts are absolutely unanswerable. In this message he has rendered to the entire country and to every interest in it a service of immeasurable value. No one, we think, can read this veto message without having a broader vision of the commanding power of language, and the logic and judgment of President Coolidge than he ever had before.

STEEL INDUSTRY AT HOME, AND FOREIGN TURNING TO WATER TRANSPORTATION.

ONE might almost say that the United States' great steel industry is becoming maritime. Whereas many a Congressman has been urging a "back to the land" movement, the steel makers in their methods of transportation are getting back to the water with a vengeance. The opening of navigation on the chief inland northern waterways around May 1 has suddenly directed the notice of the business world to the importance of the movement now going on.

Attention was focused on this subject when it was announced that European pig iron and steel were about to be landed at the new dock at Chicago, having traveled scarcely a mile by rail, the steel being shipped via the Atlantic Ocean, St. Lawrence River, Welland Canal and the Great Lakes.

There was an unverified rumor in the Chicago Journal of Commerce not long ago to the effect that 100,000 tons of Belgian steel was about to be shipped into the Chicago steel consuming district, enough steel to build ten big hotels.

Officials of the New York State barge canal state that twice as much pig iron will be carried through it from Buffalo to New York in 1928 as during the preceding navigation season. Buffalo pig iron producers are now building at Jersey City, N. J., and Beacon, N. Y., large pig iron storage yards in which large amounts of iron may be stored during the winter, when canals are frozen, this to be shipped piecemeal to New Jersey iron foundries and, from Beacon to New England foundries, the oldest foundry section in the country.

The Birmingham, Ala., steel district is shipping larger tonnages of steel by barge on the Warrior River. Pittsburgh steel makers are sending enormous fleets of boats down their local river, through the Ohio and the Mississippi to the West and South. Several of the larger steel companies have erected huge warehouses along the rivers. New records for tonnages carried by water are being made each month. The steel makers have benefited from the contracts placed for furnishing the steel which goes into the construction of the river barges.

Application has been made at Washington by the Pittsburgh, Lisbon & Western Railroad to construct two branch lines from the steel districts of the Mahoning and Shenango valleys to the Ohio River, thus to make the latter available for steel transportation by water from that district.

Thus this back-to-the-water movement has just come to a head this spring and is being seen and realized so far chiefly by those close to the steel industry and, of course, by the railroads themselves, who it is claimed have been cutting freight rates on some steel-carrying divisions to try to stem this water tide.

And there is a very good reason why this water movement should be so pronounced just now. Steel production during the first four months of this year exceeded all previous records, yet profits have been notoriously poor. Even some of the best companies lost money during the last quarter of 1927 and made but meager profits the first quarter of this year. The return on money invested in the steel industry is small on an average, yet the average profits of one of the best customers of the steel producers, the automobile manufacturers, are very high in many cases.

Thus the steel manufacturers are compelled to find further ways of cutting costs of manufacture. They cannot increase selling prices because of the undisputed overcapacity of the country. Machinery has been scrapped before it became obsolete in the race to keep up with competitors. Hence

capacity of the country has grown faster than consumption.

Now the railroads have nearly doubled the freight rates on steel haulages since 1915. For instance, in 1915 it cost about \$2.50 per ton to ship pig iron by rail from Buffalo to Boston. Now it costs nearly \$5, or one-third the price of iron, f. o. b. furnace. These same Buffalo producers can get a water rate from Buffalo to New York of \$1.50 to \$2.50 per ton. By unloading their iron at Beacon, N. Y., and shipping into New England the rest of the way by rail, a saving of at least \$1 per ton it is said accrues.

However, the development of these water paths is in a certain sense acting as a boomerang. It is making it easier for foreign steel, with its cheaper labor, to enter this country. The situation has already been of much concern along the Atlantic seaboard and the Gulf coast. But now there is apparently a movement on foot to invade the Middle West in direct water shipments from Europe. The feeling against foreign steel has been so strong in some communities that chambers of commerce and civic building boards have stirred up enough agitation virtually to boycott this foreign material.

A rather picturesque development in the way of water movement of iron and steel took place last month when a cargo of over 3000 tons of Dutch pig iron was brought through the shallow harbor at Bridgeport, Conn., direct to the dock. Bridgeport is in the heart of the Connecticut foundry district. The arrival of the Danish tramp steamer of shallow draught was attended by much pomp and ceremony on the part of the Bridgeport citizens. Old skippers had said that the Bridgeport harbor could not be navigated in an ocean-going vessel. As a matter of fact the ship had only a foot to spare at the dock at high tide. It became stuck three times and some skeptics maintained it cost more to hire tugs to pull loose the steamer than the profits on the transaction. Yet the American importers of this brand of Dutch iron say that it will be a regular movement.

Perhaps the most interesting phase of the new situation is that the methods of transportation of the early nineteenth century are the coming methods of today in steel transportation, if in fact the new day has not already arrived.

DETROIT'S INVITATION TO THE INTERNATIONAL ADVERTISING CONVENTION.

THE International Advertising Convention will be held in Detroit July 8 to 12. The appreciation which Detroit shows of this proposed meeting and the energy it is using in attracting attention to it, is indicated by the fact that the Detroit Convention Board of the Association is sending out 250,000 invitations to leading business executives throughout the world to attend the convention. Not all of these 250,000, of course, will accept; but doubtless a great many thousand will, and the enterprise of Detroit in handling the matter on so broad a scale will emphasize in the minds of hundreds of thousands of people the energy and activity of that city and the importance of the International Advertising Convention.

WANTED—30,000 STRAWBERRY PICKERS.

EDWIN J. PAXTON, president of the Evening Sun of Paducah, Ky., in expressing his appreciation of the publication of a letter in the MANUFACTURERS RECORD of May 17, giving an account of the rapid development of the strawberry industry in McCracken County, Kentucky, says:

"I hope it will inspire some other Southern community to try to do similar work."

And then he adds:

"We are carrying an advertisement now for the Association for 30,000 pickers, so you can see how widely the benefits from the crop are spread."

A PROTECTIVE TARIFF FOR AGRICULTURAL PRODUCTS DEMANDED BY FLORIDA STATE CHAMBER OF COMMERCE.

MEXICAN tomatoes are being sold in Baltimore markets in competition with Florida tomatoes. Many other vegetable products from Mexico and Cuba are in constant competition with almost every line of vegetable products produced in the South. There is no wonder, therefore, that the farmers of Florida and other states of the South are waking up to this situation and demanding a protective tariff. We recently quoted freely from the Times-Union of Jacksonville demanding an adequate tariff on all Florida products. The same demand is developing in Texas and in other parts of the South where early fruits and vegetables are produced. This trucking industry, comparatively new in its present magnitude, is threatened by the products grown in other lands with labor working at starvation rates. The insistent demand of the Times-Union of Jacksonville for a protective tariff is one of the most interesting economic phases of the day because the Times-Union until recently was strongly opposed to a protective tariff. In demanding protection for the vegetables of Florida that paper must necessarily be prepared to grant the same degree of protection to all other lines of American industry.

Other Florida papers are joining in this movement. Moreover, the Florida State Chamber of Commerce, which represents the business industries of the entire state is making an aggressive campaign in behalf of a tariff on Florida products. The Times-Union quotes from a statement issued by that organization as follows:

"The Floridian who is not taking a keen interest in the campaign of the Florida State Chamber of Commerce to obtain tariff protection against the cheaply produced vegetable and citrus products of Mexico and the West Indies in order that Florida growers may continue to operate at a profit has no conception of the real situation.

"With cheap labor and without an adequate import duty foreign competitors of Florida actually lay down in American markets vegetables at a price which does not even represent the cost of production in Florida. Florida's revenue comes from its vegetable and citrus crops combined and if the foreign growers continue to extend their activities and are permitted to ship their products into this country without paying an adequate duty, Florida growers will be forced to quit. Pineapple growers in Florida went out of business several years ago for the same reason.

"In 1921 Mexico shipped 900 carloads of tomatoes to markets in this country. Production progressively increased and in 1927 shipments reached 4,636 cars. Every one is familiar with the losses of the Florida grower in 1927. Mexico's tomato crop for 1928 was estimated at 5,570 cars earlier in the season, a volume which would have played havoc with Florida, but weather and other conditions of an unfavorable nature interfered and it is estimated now that the total movement will not exceed 1,900 carloads.

"Mexico, therefore, is not such an important factor this season, but there are other localities to think about. Nassau is shipping tomatoes to the United States, and so is Cuba. Mexico, the Bahamas and Cuba are also producing egg plant, peppers and English peas in ever growing quantities. An item in the Produce Price Reporter will indicate what this means to Florida: 'Fancy Mexico (English peas) again reached \$6 to \$6.25, but receipts are liberal and market slightly easier and averaging a little lower. Florida mostly small but even the best had quiet sale due to heavy supplies of Mexico.'

"The cost of producing one acre of tomatoes in Mexico is \$90. The cost of producing one acre in Florida is \$250, nearly three times as much. The Mexican grower has the advantage of \$140 an acre over the Florida grower at the outset, which permits him to pay the duty of $\frac{1}{2}$ cent a pound and the freight charges necessary to move his produce to the markets in this country and offer them for sale at the cost of bare production in Florida. The favorable cost of production in Mexico applies to other vegetables as well as tomatoes.

"South America now is beginning to compete with Florida and can deliver its vegetable products in New York as advan-

tageously as can Mexico. Scores of steamships are constantly on the move from Europe to South America with cargo and heretofore have been moving to the United States light, to load for Europe. Ship operators, seeking to pick up some revenue between South America and this country hit upon produce and to stimulate the business fixed a rate that is almost zero. The consequence is that vegetables from the Argentine have been sold in the eastern markets all winter in competition with the Florida products.

"The state chamber is seeking an increase in the tariff on all agricultural commodities which Florida produces. It desires that the duty be sufficient to offset the advantage which the foreign competitors have in the cost of production."

Senator Bruce of Maryland has presented to the United States Tariff Commission a request from the tomato growers of Maryland that the commission make an investigation into the difference in the cost of canned tomatoes in Italy and other foreign countries and the cost of production in the United States. Senator Bruce in this statement said:

"Our Maryland farmers are complaining earnestly of the severe competition to which they are subjected by the competition of raw tomatoes imported from foreign countries, especially from Mexico."

It will be interesting to watch and note whether Senator Bruce makes any real effort to secure a protective tariff for the tomato growers of Maryland, since he has never been counted on the side of protection.

ORGANIZATION OF DOMESTIC SUGAR PRODUCERS' ASSOCIATION REPRESENTING AMERICAN SUGAR INTERESTS.

ERNEST A. BURGUIERES, treasurer of the J. M. Burguires Company of New Orleans, was on May 8 elected president of the Domestic Sugar Producers Association at the annual meeting of that organization. The association embraces the sugar producing interests of continental United States, both beet and cane sugar, and those of Porto Rico and Hawaii. According to the Sugar Bulletin of New Orleans it represents a production of about 3,000,000 tons of sugar per annum. It is the most important organization of the kind ever established by the sugar interests of this country.

The Domestic Sugar Producers Association has before it the opportunity of adequately presenting before the country the question of American sugar in competition with foreign raised sugar, and in this work it should have the hearty co-operation of the people who believe in the development of American industry.

A GOOD WAY TO DEVELOP HOME TRAVEL.

JOS. E. DUFFIELD, proprietor of the Old Fort Inn, Kennebunkport, Maine, is entitled to this little commendation for the activity he is putting forth in drawing people to the coast of Maine, and, of course, pre-eminently to his hotel. Week after week he is following up prospective possible guests in such a way as necessarily to command their attention and make them feel that whether they can or cannot go to Kennebunkport, they would at least like to visit that place and spend a few weeks at the hotel which is so charmingly presented.

While the banks and the steamship companies are doing their utmost with seductive literature to stir in the hearts of hundreds of thousands of people a desire to go abroad, we suggest that all other resort places, summer and winter alike, might carry on an equally aggressive campaign in behalf of their particular hotels or their particular advantages, and thus to some extent offset the propaganda in behalf of foreign travel.

SENATOR TYDINGS SPEAKS OUT ON MUSCLE SHOALS.

WHEN Senator Millard E. Tydings of Maryland in a midnight filibuster on Thursday of last week shot holes through the proposed Muscle Shoals bill for Government manufacture and sale of power and fertilizers, he merely said what should have been said long ago by every legislator in Washington.

"This government was designed to govern, not to go into business," said Senator Tydings; and no exception to that statement is possible.

"Could there be anything more communistic than this plan to put the Government into the electric power and fertilizer business?" he asked. The question reminds us of the old conundrum, "What makes more noise than a pig under a gate?" To which the answer is, "Two pigs." Plainly, nothing could be more communistic except more of the same kind; and more will inevitably follow if this one be adopted—as the Senator next pointed out.

"Why not take in everything—the railroads, the stores?" So we will take in everything, if the proponents of government in business have their way. Business men will rapidly become government job holders.

"You encourage men to develop this country, then confiscate their property by such legislation." An assertion that will prove literally true, once we turn the government loose in the power and fertilizer industries.

"I warn you that you are just opening the door and floodgates to hundreds of other such measures within the next 10 or 20 years." No safer prophecy could be made. The tide of government ownership is rising with alarming speed, lapping ever higher on the dikes of public sentiment, seeping into every crack and cranny, and searching ceaselessly for some weak spot to serve as the opening to a crevasse through which it can flood the nation.

Muscle Shoals and Boulder Canyon dam are the two chief points of attack in this session. Either of them might prove the beginning of the end of private initiative and enterprise in this country.

Others of Senator Tydings' bull's eyes were:

"This thing is against all the philosophy of government that has made the nation great.

"We have no philosophy of government left unless it is the communism of Russia, because that is of the same form as this resolution.

"What a paradox that at this hour we have the marines in foreign lands to protect property of American citizens there and here the Senate plans to take away the property of Americans at home.

"The Government in more business! Good Lord, look at the Shipping Board; one of the head men tells us it is honeycombed with politics.

"We encouraged the railroads years ago to build up the barren places of the West and then set about to hamstring them.

"If we are going in for Government ownership, let's go in the front door, not in the back. There's not a word in our Constitution to authorize the Government selling electricity and fertilizer."

It is depressing to speculate on the state of mind that permits our national legislators to sit quietly when so vicious a proposal is up for debate. The mere fact that such a bill could go as far as this one has gone, is a sad commentary on the courage and integrity of our lawmakers. It is beyond belief that they can honestly approve it; if they don't, and keep silent, some powerful pressure is being brought to bear upon them. What is it? Log-rolling? Or do they hold their honor and their national duty so cheaply that they will betray the nation's future to this extent in the hope of a few farm votes? A veto is expected. Are they so cowardly as to betray their trust in the hope the President will save the situation? Whatever the explanation, it is tragic.

SHOW THESE VISITORS THE REAL SOUTH.

SELDOM has better opportunity been offered to the South to present to the country a truthful picture of that section than is afforded in the visit of the National Editorial Association, which has been a guest of Memphis this week. Following the convention, which closed last night, the journalists start today on a trip which will cover approximately 2000 miles, by special train, automobile and steamer, with many stops and sidetrips which will give them close-up views of various features.

Prominent or, maybe, predominant in the party will be visitors from other sections than the South—keen observers from New England, experienced veterans from the North, wise writers from the West—all desirous of seeing and studying the South; all trained to weigh conditions with business acumen—yet all inclined to see things in favorable light and to treat the South with kindly heart.

On their trip, they will be shown historic spots. They will travel through scenery unsurpassed in beauty. They will inspect great industries of various kinds. Natural resources will be shown in abundance to them. They even will inspect schools and, probably, churches. No phase of life in the South will be hidden from them on the trip.

The South owes it to itself and its guests to be, above all things, honest. It must let the guests see below the surface; let them explore as far as they desire. All is not perfect in the South; it has its share of mundane imperfections. But given unhampered opportunity to see and to weigh both bad and good, the visitors will find that the good far outbalances the bad, and their faith and confidence will be strengthened by knowledge that they have seen both sides of the picture and not the favorable side alone.

A GREAT REVOLUTION IN TRANSPORTATION UNDER WAY.

THE News and Observer, of Raleigh, calls attention to the fact that a Seaboard Air Line officer has resigned to take charge of a big line of trucks to be operated in Georgia and Florida. It states that thousands of crates of strawberries are being hauled in trucks from Eastern North Carolina to Richmond, Baltimore and other Eastern markets. The Henderson (N. C.) Dispatch reports that half-a-dozen trucks passed through that town a few days ago en route to the North.

The handling of fruit of many kinds by trucks is developing at a rate scarcely realized. In Florida the regular truck service carries a vast amount of freight from Jacksonville to the lower part of the State, with return loads to Jacksonville. Indeed, some investigations have been made by automobile interests looking to the handling of a large part of the citrus industry, taking it to concentration points—such as Jacksonville and other places—for final shipment by rail or water. The rates for freight on the trucks that are operating in Florida in competition with the railroads are said to be very much lower than the roads are offering. We have seen only the beginning of the development of passenger business by automobiles and freight business by motor trucks. We are witnessing the beginning of a great revolution in transportation.

St. Louis County Sells \$500,000 Hospital Bonds.

Clayton, Mo.—St. Louis County Court has sold \$500,000 4½ per cent bonds of a \$1,000,000 issue for the construction of a county hospital to Whitaker & Company of St. Louis, at \$506,400.

Southern Agricultural Colleges and Their Remarkable Work for Bettering Agricultural Conditions.

SOME weeks ago a prominent Southern business man in a letter to the MANUFACTURERS RECORD claimed that the agricultural colleges of the South were not meeting the situation of advancing the prosperity of Southern farmers. In the course of his letter he said:

"I would go to the presidents of agricultural colleges, and the first question I would ask them is, 'Why do 90 per cent of the boys whom you educate as farmers and for whose education the tax money largely derived from the land of farmers, is utilized, decline to go into agriculture; and why do many of them go to other states and engage in other callings than that of farming?' As a contrast, I found out in Holland that all the boys educated in farm schools took up farming as their occupation."

A copy of this statement was sent to the presidents of all the agricultural colleges of the South with the following letter from the editor of the MANUFACTURERS RECORD:

"I am under the impression that a very large proportion of men educated in the agricultural colleges of the South become identified in one way or another with agricultural work of the South. I will, therefore, greatly appreciate it if you will write me fully on the subject giving any details that may be available as to the number of your graduates who have gone into agricultural work or into teaching agriculture in one form or another."

The replies to that letter which have come give an overwhelming answer to the statement that 90 per cent of the boys educated in these agricultural colleges decline to go into agriculture. It is a remarkable illustration of the unwisdom of making statements which cannot be supported by the facts.

It is essentially important that the agricultural colleges should be even more liberally sustained than they are at present, for in many cases the states have been niggardly in

the contributions they have made to the advancement of agricultural education.

Nearly all of the letters received in reply to our inquiry, and which we are publishing, show that a very considerable proportion of the graduates of these schools are in immediate demand as teachers and agricultural extension workers and, therefore, are spreading the knowledge of scientific agriculture to an even greater extent than they could do if they went into actual farming themselves.

Moreover, it is pointed out that comparatively few of these young men, most of whom have to earn their own way through college, are in a financial position to establish themselves in farming until they have accumulated some money by years in agricultural teaching or other activities in agriculture. These men, however, are doing far more for the progress and prosperity of agriculture by their teaching activities than they could do if they had gone into direct farming. They are the missionaries of scientific and diversified agriculture, and are carrying the gospel of better farming to many thousands of other students in the high schools and colleges of the South, and in their work as demonstration agents. But the number that are farming overwhelmingly disproves the assertion in the letter we have quoted.

These letters should forever set at rest the carping criticisms, based on misunderstandings, which have sometimes been heard against the work of the agricultural colleges of the South. They are doing a great work. They are changing the agricultural activities of the South. These schools are influencing many hundreds of thousands of farmers, and they should receive the unstinted support and commendation of all people in the South who are interested in its material advancement, and especially in the progress of its agriculture.

The letters follow immediately after Dr. Soule's statement:

Leadership Service of the Agricultural College Graduate.

By DR. ANDREW M. SOULE, President, Georgia State College of Agriculture and the Mechanic Arts, Athens.

Here in Georgia, a minimum of 18 per cent of our graduates are actually engaged in farming. Two per cent are employed in research work, 28 as teachers, 26 in extension work, 14 in business related to agriculture, and the rest in miscellaneous undertakings. You should not lose sight of the fact that this includes our women graduates as well. If they were excluded, the number actually engaged in farming would approximate 23 per cent. We consider this a good showing when you realize that over 60,000 farms were abandoned in Georgia on account of the boll weevil invasion, the great financial depression which came as an aftermath of the World War, and the draining of our surplus labor reservoir by the industrial organizations situated in the great manufacturing centers of the East and North.

There was a period when three times as many of our graduates were engaged in agriculture as at the present moment. What happened to them? Many of them made the mistake of buying high-priced land during the war period. When the collapse came, they lost their investments as the result of the deflation policy instituted by the government. Many of them are now working on salaries, but still trying

to pay for land they originally bought. The fact that such a considerable percentage of them weathered the storm is to me a source of great satisfaction. It is also noteworthy in this respect that over 75 per cent of the students in this institution are either self-supporting or borrowing a part or all of the money with which to pay their way through college. When the great majority of them complete their courses of instruction, they have to work for a while to clear up this indebtedness. We naturally encourage them to do this as quickly as possible, because most people who lend money to students are quite insistent that it be paid back promptly. On the other hand, how is a boy to go out from an agricultural college and begin immediately to direct an enterprise that calls for the investment of \$5,000 to \$20,000? Who is going to furnish him credit and equipment? Is it not evident that most of these men should work for a while in order to accumulate sufficient money with which to begin agricultural operations upon a safe and profitable basis? I know of a number of our older graduates who are again purchasing land this year and endeavoring to develop various agricultural specialties thereon. The only reason they did

not engage in these enterprises at an earlier date was because of financial difficulties of the type referred to above.

We have struggled here in Georgia to enlist the aid and co-operation of our bankers, loan fund directors, and insurance people in providing a certain proportion of our graduates each year with facilities that would enable them to go out and set up certain types of agricultural enterprises. Up to the present time, they have not been willing to assist us in a definite or practical way. In America, money costs most of our farmers from eight to ten per cent, and those who are less fortunate at least twice that amount. How can any business thrive on such a basis? Europe, on the other hand, provides amortization loans for agriculture, and young men there can go out and begin operations on a basis that does not obtain in America. This explains to my mind why so many Hollanders go back to the farm in preference to the mine or the factory.

Here in the South, we have been more indifferent about this phase of the proposition than in any other part of the country. Our business men and leaders ought to develop a new consciousness relative to this matter. They need to study the situation from a variety of new angles and reorganize and plan our credit system upon a basis that will afford the man who wishes to own or operate land a chance to make a beginning. If he has spent four years of his life in an agricultural college and obtained an education, let us say, that would cost \$3,000 irrespective of the four years of time required, is he not entitled to enter many types of business or agricultural enterprises upon a partnership basis? Many of our large landowners could associate men of this type with them upon a profitable basis instead of standing off on the side-lines and throwing rocks at college-trained men, as many of them still seem to be inclined to do.

I recently made an address to the National Council of the American Bankers' Association at Augusta, Ga., in which I outlined many of these problems. When I was through a distinguished banker from a Northern State came to me and said: "I agree with and endorse everything you have said. What we have needed during recent years has been a better defined attitude of sympathy and understanding toward the farmer and his economic needs and financial requirements. We have been too selfish and tried to arrogate too much to ourselves, and we can not expect the farmer to become prosperous until we take a different attitude towards his problems." I do not think I have an obsession on this point, but am merely stating a basic fact, which somehow or other does not seem to have gotten over as fully and completely to as many of our business men as is desirable. As a consequence, the great mass of our rural citizenry are naturally wondering how they are going to find their way out of the tangled maze of conflicting interests by which they are still confronted.

In this connection, let me say that we have here in Georgia an institution that is 21 years of age. It is the youngest agricultural college in the United States. Last year we had an enrollment of 940 students taking college credit courses. The total number enrolled was 3,101. We also had a membership of about 25,000 boys and girls in our club work. Through the medium of our extension service, we made direct contact with over 323,000 farmers and their wives. I am merely citing these facts to afford your readers an opportunity to visualize the comparatively rapid growth made by an agricultural institution that has been in financial straits throughout its history, that has had to meet and overcome prejudice and physical impediments as well as the indifference and objections of many individuals who call themselves leaders and should therefore have more effectively appreciated and supported its efforts.

We have only 700 alumni. Nearly all of these men and

women, however, are at work in Georgia. The great majority of them are constructive leaders. Suppose all of them had gone to the farm. Would they exert any appreciable influence upon the agriculture of the state? On the other hand, when 200 of them are engaged in teaching vocational home economics and agriculture to 15,000 Georgia boys and girls in the consolidated, rural high schools of our state, I think they are distinctly changing the outlook of an oncoming generation of boys and girls who are destined in the natural course of events to effect a remarkable transformation upon the agricultural and homemaking practices now prevailing in Georgia. Our 235 men and women county agents have performed a work of fundamental importance to our state. In marketing alone, they have blazed out a hundred new trails for our landowners to follow. They were responsible for the handling of sales and purchases last year totaling \$3,000,000.

As for the institution itself, what about the eradication of the cattle tick and the discovery and delineation of Georgia's bright tobacco and alfalfa belts, the organization and development of the hog, poultry, dairy, and truck interests, and the promotion of a degree of diversification that now brings into the state \$200,000,000 a year from other than cotton sources? Could our graduates have been engaged in a more important or essential economic program? No, a thousand times no. Moreover, without their aid and leadership, the things recited would not have been achieved, at least upon the present state-wide basis now evidenced.

What we need in this state is 10,000 graduates to serve the cause of agriculture and the homemaking arts as completely as possible. It will be a long time, however, before this end is accomplished. It can never be achieved until we have the sympathy, understanding, and co-operation of all our people. Even the so-called busy business man must take enough time off to inform himself about the economic needs and requirements of Georgia instead of spending so much of his time trying to belittle the very substantial and fundamental work which has already been accomplished. We are spending millions annually to build battleships and to maintain and train an army. The cost of our government from the angle of both the state and nation is enormous. Yet, when we talk about spending a few hundred thousand dollars on agriculture, we are confronted by the issue of high taxes and the uselessness of the whole procedure. As a result of this policy, we have stripped our land of its virgin resources, crippled the functioning of our primary industry to an amazing degree, and still seem to be unable to read with definiteness "the handwriting upon the wall."

A distinguished citizen of the South said he had been in conference for two weeks recently with a group of national leaders. They discussed the agricultural situation from every point of view. When they had summed it all up, he said, "they concluded that it was a case evidencing the need for educated leadership more than anything else." Permit me to say that this great publicist literally took the words out of my mouth. This statement is also strictly in accord with my 35 years of experience in the educational fields which relate primarily to agriculture.

The solution of our agricultural problems depends upon getting more boys and girls into our agricultural colleges and providing the means by which those who desire to farm can be financed upon an acceptable basis. In the meantime, the majority of our institutions of this particular character should continue to operate in the fields of education, research, and extension teaching, which properly belong to them. They can then concentrate all their energies and efforts upon the development of the thousands of men and women leaders needed to place our agricultural operations upon a sound and profitable economic basis.

A Big Demand for Teachers of Vocational Agriculture and in County and Commercial Work.

N. J. Giddings, Acting Dean and Director, West Virginia University College of Agriculture, Morgantown:

"I have oftentimes heard the complaint which you mention. Just at present the United States Bureau of Education is making a survey of the land-grant colleges for the Association of Land-Grant Colleges. That survey is only just well under way and in connection with it they are trying to determine what lines have been taken up by the graduates of colleges of agriculture. This material will, of course, not be available for a considerable time as the questionnaires have not been sent out yet.

"I regret that we can not give you specific information concerning West Virginia just at this time. We have perhaps not kept in as close touch as we should with the graduates, due to five changes of administration during the past 16 years. We do have information concerning a large number of the more recent graduates and, at least for the past five years, about 75 per cent have gone into teaching. A large number of these are teaching vocational agriculture. About 20 per cent have gone into farming and the remainder either into county agent work or commercial work. Quite a few have gone into commercial work after a year or two of teaching. A large percentage have gone also into county agent work after teaching. In the February, 1928, number of the Alpha Zeta Quarterly, C. B. Hutchinson contributed an article on 'Observations of a Wayfarer on Agricultural Education in Germany.' Apparently they have a more complete organization than we have and a great deal more secondary work with a far larger proportionate number of secondary agricultural schools. It seems to me that is what we should look forward to in this country. The agricultural colleges here are practically always associated with the state university. In any case they are supposed to be giving college grade work and training of some cultural as well as of practical value. We have struggled to turn out practical farmers and yet gave them so much advance training that it was questionable whether they would be of more value conducting farm enterprises or in helping general agriculture as vocational teachers, county agents or in commercial work along agricultural lines. My present feeling is that the more direct practical training should be separated somewhat from the college of agriculture proper. There is still urgent demand for good men as teachers of vocational agriculture and in county agent and commercial work. These men are serving agriculture very well and until there is less demand from those lines I do not know that we ought to wish for many of our men to return to the farm."

Graduates Making "More Valuable Additions to Agriculture Than if Actually Farming."

Wilmon Newell, Dean and Director, College of Agriculture, Gainesville, Fla.:

"A survey made in 1926 to determine the occupations being followed by graduates of the College of Agriculture of the University of Florida showed them to be engaged in the following activities: Farming, including dairying, 8 per cent; managing agricultural enterprises, 12 per cent; county agents and other agricultural extension workers, 11 per cent; state and federal inspectors, 3 per cent; scientific investigators, 12 per cent, and teachers, 30 per cent—a total of 76 per cent directly identified with agricultural work.

"It is perhaps unfortunate that more of our agricultural graduates are not actually 'dirt farmers', for an educated farmer is far more efficient than an ignorant one, but the reason for this condition is readily apparent. The rapidly expanding research and educational programs of all the agricultural colleges and of the United States Department of Agriculture have required the services of a large proportion of the men thus trained. The fact that they are adding, through research, to the sum total of scientific agricultural knowledge or are engaged in teaching better methods to their fellow agriculturists is not a valid ground upon which to criticize either them or the institutions which trained them.

"These men are making valuable contributions to agriculture; much greater, in fact, than if they were actually farming. They are necessary to the upbuilding and prosperity of American agriculture and in the future the results of their efforts are likely to be even more vitally needed than they have been in the past. Certainly the farmer, of all persons, is reaping the benefits of their work and of the efforts and expense of the agricultural colleges which trained them. The

farmer has already realized—in better methods, new and more productive crops, better livestock, improved fertilizer practices, in methods of control for insect pests and plant diseases and in many other ways—a tremendous return on what he has contributed, in the form of taxes, to the support of the agricultural colleges.

"Commercial concerns, catering to various needs of the farmer—such as the manufacturers of farm machinery, insecticides and fertilizers—have been quick to see the advantages of having agricultural college men in their ranks. Capital invested in large agricultural enterprises has likewise eagerly sought for the services of the agricultural college graduates. Little wonder that but few of them get back to the plow handles!

"This is a condition for which the colleges of agriculture are in no wise to blame. They have abundant facilities for giving excellent training and they stand ready, offering their facilities and services to all who come in the quest for agricultural knowledge. What is needed is an appreciation by young men, and by their parents, of the wonderful opportunities today presented by an agricultural career."

High Percentage of Missouri Graduates Use Their Agricultural Training.

F. B. Mumford, Dean and Director, College of Agriculture, Columbia, Mo.:

"The College of Agriculture of the University of Missouri has now located on Missouri farms 5000 young men who have received training in the College of Agriculture. We are sending back to Missouri farms approximately 200 men annually who have had some training in this institution. During recent years a considerable number of our graduates who would prefer to become farm managers and operators have been tempted to accept salaried positions in connection with the industries. It will, however, be of interest to you to know that out of 1500 graduates of the College of Agriculture, a recent survey shows that all but 78 are making use of the agricultural training they received."

Many Engage in Agriculture and Many Others Are in Allied Lines.

T. O. Walton, President, Agricultural and Mechanical College of Texas, College Station, Texas:

"I am enclosing a statement recently published by the Dean of the School of Agriculture of this college which shows in detail the lines of work engaged in by graduates of that school. Contrary to the statement of the prominent Southern gentleman to whom you refer, you will observe that a large per cent of the students who take agricultural courses in this college become identified with agricultural work in some field. The statement follows:

Occupation	1922 Class	1923 Class	1924 Class	1925 Class	1926 Class
Practical agriculture	26	18	28	34	33
Teaching agriculture (vocational)...	19	35	20	12	19
Agr. mfg. and feed business.....	..	8	14	14	16
Co-operative marketing	3	3	8
Extension work (county agent)....	4	3	8	2	4
Research	1	6	5	3	1
Banking	2	..	2	2	3
Landscape art	4	3	4	7	3
Graduate study	2	6	3	5	3
	58	79	87	82	90

"Not very many of them actually return to the farm immediately upon graduation to become farm operators, but this is due to two important factors. First, there is great need, in fact greater than the agricultural colleges are supplying, for constructive leaders and teachers of agricultural subjects in the rural schools throughout this State. Second, the average young man upon graduation does not have enough cash with which to purchase and equip a farm and consequently he must accept a position that will give him a reasonable income, and work long enough to save sufficient money with which to purchase and equip a farm before he can begin to farm upon his own account. These conditions, however, do not in any sense indicate that the agricultural colleges of the South are not making constructive contributions to agricultural welfare through the men that are trained in these institutions. In the main, I believe that an agricultural teacher, county agent, or other agricultural leader will actually return more to the State if he engages in some character of agricultural service than he would if he were to confine his efforts exclusively to a farm enterprise of his own."

Necessary for Some to Engage in Research and "Act As Missionaries to Carry the Knowledge of this Experimental Work Back to the Farm."

F. H. H. Calhoun, Director of Resident Teaching, the Clemson Agricultural College, Clemson College, S. C.:

"I think your correspondent makes two mistakes: First, instead of saying that 'ninety per cent of the boys whom you educate as farmers decline to go into agriculture' he should say 'into farming as a profession.' Again, in his last sentence he compares the boys educated in the farm schools in Holland with graduates of the agricultural colleges of America. I think this is an unfair comparison because the farm schools in Holland are in the nature of trade schools and more nearly like the work we are doing in our agricultural high schools in vocational education.

"It is true that rather a small per cent of our graduates go directly back to the farm. There are several reasons for this. In the first place, unless they have a farm of their own, to stock and to operate a farm requires more capital than the average boy can command. Second, we would not advise too many men to go back to the farm even though they were so inclined. It is from our graduates that the ranks of the research worker, the county agent, the Smith-Hughes teacher, the extension specialist, and the regulatory agents must be recruited. If it were not for the men we furnish, what would become of scientific agriculture 10, 20 and 30 years from now? Last year we made a survey of the occupations now followed by the agricultural graduates of the classes from 1920 to 1926, inclusive. There were about 300 of these men. We found that 25 per cent of these graduates became teachers of agriculture, most of them Smith-Hughes teachers in the high schools of the South. Nineteen per cent returned to the farm, 16 per cent engaged in some form of public service work, such as county agents, research workers, inspectors, specialists, etc. Four per cent engaged in some business closely related to farming. In other words, 64 per cent of the graduates of these years entered some business closely related to agriculture. The others were divided approximately as follows; 20 per cent entered business not related to farming, four per cent became doctors, four per cent school superintendents or principals, four per cent teachers in colleges, two per cent athletic coaches, one per cent lawyers, and one per cent ministers or religious workers. In other words, 36 per cent entered some business not related to farming. I think in a class of 300 that is not an unusually large per cent who at the end of four years would find they either could not get work that was congenial in the agricultural field or who had made such a poor record that they would not be recommended for responsible positions, or who had found they had mistaken their life's work and made a change before it was too late.

"One must remember also that only about 50 per cent of the students who enter college graduate. That is, 300 men have dropped out somewhere along the line and most of these have returned to the farm. Our courses are so oriented that a boy who finishes our freshman year has completed an excellent one-year agricultural course. Those who stay through the sophomore year find they have had almost all the basic work necessary to conducting a farm in a modern up-to-date way. We find that a very small per cent of our men leave college after they reach the junior year.

"The criticism made of the colleges by your correspondent is a very common one and one that we are constantly obliged to refute. We feel that there is no money spent today by taxpayers which brings to a community as much return as the money expended in educating a boy at a land-grant college. We know that if all of our graduates returned to the farm the average taxpayer would not benefit so materially. It is absolutely necessary that some conduct the research work so essential to a clear understanding of our agricultural problems and act as missionaries to carry the knowledge of this experimental work back to the farm. This is in reality what our county agents, Smith-Hughes teachers and extension specialists are doing today."

Eighty-three Per Cent of Virginia's Agricultural Graduates Remain in the State.

Julian A. Burruss, President, Virginia Polytechnic Institute, Blacksburg, Va.:

"I appreciate your inquiry as to our agricultural students. Our alumni records show that 83.3 per cent of our agricultural alumni are located in the state of Virginia. In agri-

culture we include agricultural engineering, and naturally graduates in this curriculum go into the manufacture of agricultural implements and similar industries connected with agriculture, which takes them outside of the state to a greater extent than other agricultural students. If these were excluded the percentage would be slightly higher for agricultural students remaining in Virginia. Practically all of the teachers of agriculture in Virginia are our graduates."

Value of Agricultural Colleges Not to Be Judged by Number of Graduates in Actual Farming.

R. A. Pearson, President, University of Maryland, College Park:

"From information obtained from the College of Agriculture for the period 1918-1923 our agricultural graduates were engaged in the following lines of work in proportion to percentage indicated:

	Per cent
On the farm.....	30
In commercial business.....	18
In U. S. Department of Agriculture.....	18
College teaching or investigation.....	15
County agricultural agents.....	9
Teachers in high schools.....	6
In non-agricultural work.....	4

"From 1924 to 1928 the percentage changed as follows:

	Per cent
Farming and employed on farms.....	30
In commercial business.....	35
(Mostly dealing with farm interests)	
In U. S. Department of Agriculture—College teachers, investigators, extension specialists and county agents.....	15
Teachers in high schools.....	15
Military service.....	5

"I am enclosing an article by Prof. W. B. Kemp of the College of Agriculture which was given in a talk over the radio recently. This article, to my mind, explains the situation very clearly. I am also enclosing a brief statement on this subject by Dr. H. J. Patterson, Director and Dean. I believe these statements and figures will convince any fair-minded person there is no basis for such criticism of agricultural colleges or agricultural graduates as indicated by your correspondent.

"In the sweeping criticism which you cite there are a number of wrong assumptions, leading, of course to wrong conclusions or inferences.

"First: The agricultural college is not and never was intended to be merely a trade school. It undertakes to train young men for many pursuits other than farming. It could most rightly be charged with utter failure if it did not. The inference in the criticism, of course, is that the percentage of graduates returning to the farm is too small. But how shall this be proved? By what standard shall we measure it? Who can say of any graduate, who enters the fertilizer or seed business or who takes up research, extension or educational work that he is of less service to agriculture or to the Nation than he might have been in the capacity of farmer?

"Second: Comparison of agricultural schools in Holland with those in this country introduces the false assumption that conditions in the two countries are comparable. This is not true as a few simple questions will serve to show. For example: What is the relative size of Holland in comparison with the United States? How valuable is man power in Holland compared to the same item in the United States? Is agriculture in Holland more or less intensive than in the United States and what effect does this have on the number of people engaged in farming? What is the industrial demand for college trained employees in Holland compared to the situation in the United States? How many other opportunities does the young man in Holland have outside of agriculture compared with the opportunities in the United States?

"I have very great sympathy for the present situation of the American farmer. He is not in dire poverty but there is no doubt in my mind that economic conditions are now more favorable for many other lines of activity than for farming. However, I am not greatly alarmed by statistics showing a trend of population from the farm nor by others that might seem to show that farm boys prefer to enter vocations other than farming.

"Broadly speaking, I should say that the agricultural college should not be measured in the number of its graduates actually engaging in farming. The tremendous number of openings in agricultural science and in commercial business associated with agriculture will continue for some time to reduce the percentage that will actually return to the farm."

A Difficult Problem to Arrange for Financing Agricultural Graduates On Farms of Their Own.

Bradford Knapp, President, Oklahoma Agricultural and Mechanical College, Stillwater:

"It is difficult for any man to understand this situation unless he thinks pretty clearly. I believe it will be shown on the records that there was a constant increase in the number of agricultural students in this country during the period from about 1898 up to the beginning of the World War. The large majority of agricultural colleges have decreased in the number of students in agriculture since that time. Some few have increased. These facts have their relation to the subject you have in mind. My answers regarding this condition are these:

"1. The present depression in agriculture and the whole submerging of the agricultural industry since the World War has made of farming in general an unattractive prospect for a young man. All of this is involved in the whole tremendously complex and difficult economic problem surrounding agriculture at the present time. Until this load is lifted and agriculture restored to an equality with other lines of work, no man can expect agriculture to attract energetic young men, no matter what their education.

"2. We have been going through a period when industry, commerce and skilled labor have enjoyed great prosperity, with a lack of prosperity on the part of agriculture. This is simply a re-statement of the same thing mentioned under paragraph 1, except to emphasize the fact that the young man going out of college can be and is attracted to the more prosperous lines, such as industry, manufacturing, trade, commerce, etc.

"3. Most young men graduating from college at present are in debt, and they are at the time of their lives when they want to make a home and get to work. Many of them for this reason take salaried positions, often in lines closely associated with agriculture. As soon as agriculture is prosperous many of them will go to farming.

"4. The whole field of rural education has not been sufficiently studied in that in spirit and training it is largely an urban education with urban tendencies. The young men and women are directed away from the farm by the very atmosphere in which they are educated. In the colleges and universities themselves it is difficult to hold them in line at this critical period because of the comparisons mentioned in paragraphs 1 and 2.

"However, I want to make a statement regarding our own experience. We have a record of 359 graduates in agriculture from this institution, which record is as follows:

Engaged in Practical Agricultural Work:	
Farming	58
County agricultural agents.....	44
Creamery managers	15
Florists	2
Forest ranger	1
Total	120
Engaged in the Teaching of Agriculture:	
In Smith-Hughes Vocational Schools.....	64
In colleges	27
As agricultural education specialists.....	22
In secondary schools other than vocational schools.....	12
Total	125
Engaged in Other Agricultural Pursuits:	
As agricultural agents of various sorts.....	13
Employed in United States Department of Agriculture..	7
In agricultural press.....	4
City milk inspectors.....	7
Still engaged in agricultural studies.....	16
Total	47
Engaged in Non-Agricultural Pursuits.....	67
	359

"This shows 81 per cent engaged in agricultural work of various kinds. A larger percentage will be engaged in farming as conditions will ultimately warrant.

"In closing let me say that one of the most difficult things about the whole situation is the matter of financing young agricultural graduates on farms. I do not believe anyone has yet taken up that enterprise. I am very deeply devoted to it and believe that some work can be done toward trying to help finance these agricultural graduates on farms. It is quite an undertaking for a young man in debt for his education and possibly about to get married, without resources, to face the burden of an investment of from \$10,000 to \$25,000 as an initial step. With a little help and a little encouragement I believe a good deal of work could be done along these particular lines."

Over 80 Per Cent in Agricultural Work of Some Description.

J. C. Futrall, President, University of Arkansas, Fayetteville:

"The statement that 90 per cent of the boys educated as farmers in the state agricultural colleges of the South decline to go into agriculture is not true so far as the University of Arkansas is concerned. Our alumni list compiled in 1925 shows that of our agricultural graduates for a five year period, beginning in 1917, over 80 per cent of those whose occupations could at that time be ascertained were engaged in some kind of agricultural work. A considerable majority of these were in the state of Arkansas.

"It is true that not very many of our graduates were engaged in the actual operation of farms. They had positions as agricultural teachers, agricultural research men, agricultural extension men, agricultural agents for banks, railroads and commercial clubs, marketing specialists, etc. The main reasons, I think, why comparatively few are going into the actual operation of farms are (1) the general lack of agricultural prosperity in recent years, and (2) the fact that most of these men, soon after graduation, are offered good positions, and few of them have the money to start up farms of their own or can secure positions as farm managers which would offer adequate outlet for their training.

"It is admitted that eventually a good many agricultural graduates do not select any phase of agriculture as their life work. The same thing is true of many graduates in engineering, law and other fields of activity. It is one of the fine things in our American life that if a young man finds he is not entirely satisfied with the profession or business or vocation in which he has started his life work, he may rather easily change over to some other.

"As to the matter of agricultural graduates, or any other graduates going off to other states, it is quite true that trained men usually gravitate to those parts of the country where there is the greatest demand for their services. This is a factor that makes for the solidarity of our American life, and I do not think it has prevented any state from securing the number of trained men that it needs."

How Alabama Answers the Question.

Spright Dowell, President, Alabama Polytechnic Institute, Auburn, Ala.:

"I am giving you a statement based upon figures I have just received from the Dean of our Agricultural College who is also the Director of our Research Work, based on the study of those who enrolled in the Agricultural College of the Alabama Polytechnic Institute. The findings show that those who have left college are engaged as follows:

	Per cent
Farming	14.0
Research	5.5
Extension	21.0
Teaching	18.0
Activities closely related to agriculture.....	6.5
Other vocations	32.5
Unaccounted for	2.5

"In my judgment the figures I have quoted are the most effective answer that Alabama can make to the questions of our inquiring friend."

Figures From North Carolina.

E. C. Brooks, President, North Carolina State College of Agriculture and Engineering, Raleigh:

"I have made a careful inquiry into the occupations of graduates of this institution, who pursued their courses with a view to engaging in some form of agriculture. We have had occasion to check our agricultural graduates from our first class in 1893 to 1926, inclusive. During that time we had 494 agricultural graduates. Of that number 356, or 72 per cent, are located in North Carolina; 115, or 23 per cent, are in other states, 16 of these being in foreign countries. There are, of course, a few we are unable to locate. One hundred and forty-three of our graduates were engaged in farming; this is a little better than 29 per cent. One hundred and fifty were in research, extension, or teaching. Three hundred and sixty-six out of the 494 were engaged in work directly identified with agriculture. Under this classification we included fertilizer manufacturers, salesmen, implement dealers, feed manufacturers and salesmen, etc."

KRAFT-PHENIX CHEESE COMPANY BUYS CONTROL OF SOUTHERN DAIRIES.

Dairy Development on Large Scale in the South to Be Encouraged.

Verification has been received of the announcement recently made that the Kraft-Phenix Cheese Company had acquired a controlling interest in Southern Dairies.

Kraft-Phenix within the past year undertook an extensive plant construction program in the South and now is manufacturing its various cheese products in Alabama, Tennessee, Georgia and Texas, with further extension planned for the next two years.

Southern Dairies has been one of the pioneers in the development of the dairy industry in the South on a large scale. From a rather small beginning several years ago this organization has extended its operations until now it has 47 manufacturing plants and distributing stations from Baltimore to Miami and is selling its products in 1000 Southern cities and towns in 10 states and the District of Columbia.

"This pioneer work that Southern Dairies has been doing has been recognized by agricultural leaders in the South as being most constructive and helpful in placing farming on a sound and profitable economic basis," says Southern Dairies in announcing the purchase. "It was through this initial development that the Kraft-Phenix Cheese Company and other large dairy products organizations became interested in the South as an ideal place for creameries and manufacturing plants.

"Southern Dairies will maintain its identity and continue with its present management and operating policies but will work closely with Kraft-Phenix in a larger program of dairy development in the South. It is expected that by this policy the milk and cream used in the manufacture of cheese and ice cream, both seasonal products, may be equitably adjusted so as to make maximum use of the present creameries and others to be built as well as facilitate the distribution of raw materials and finished products."

The Kraft-Phenix Cheese Company made the following announcement:

"The officers had in mind a definite program of diversification and expansion in this acquisition. It was found that Kraft efforts and Southern Dairies efforts were being duplicated in much of the territory where both companies were operating. A great deal of money can be saved in capital expenditures as well as operating expenses, by having a unified operating control—also raw material surpluses can be utilized to much better advantage and a greater profit.

"It is the present plan to operate Southern Dairies as a separate corporation. The Kraft-Phenix executives feel that the Southern States hold tremendous possibilities for profitable development of the dairy industry.

"The acquisition of Southern Dairies will undoubtedly add in excess of \$1,000,000 in net profits to the Kraft-Phenix earnings, this year, and approximately \$15,000,000 of value. Later on it is the plan to offer Southern Dairies stockholders an advantageous exchange of stock. Kraft-Phenix earnings are well in advance of last year and each month continues to show an improvement as savings become apparent and increased profits are secured."

Louisiana to Double Last Year's Sugar Production.

New Orleans, La., May 25—[Special.]—Louisiana's sugar production this season should be 170,000 tons, estimates Arthur H. Rosenfeld, consulting technologist of the American Sugar Cane League. Most of it is in the P.O.J. varieties. Last year's production was 70,792 tons.

The P.O.J. canes, Dr. Rosenfeld finds after an inspection of the belt, show a good size and an excellent stand, despite the cool weather of the past month. In the western part of the belt, where there is still a large area in the old canes, the crop promises to be a failure.

There are 140,000 acres of P.O.J. cane in Louisiana, says Dr. Rosenfeld. He estimates the yield at 18 tons of cane to the acre at least, and a sugar output of 140 pounds to the ton of cane.

\$1,250,000 Hotel Projected in Arkansas.

Hot Springs, Ark.—A site has been acquired here by George R. Mann, Little Rock architect, who is representing Eastern capitalists, for the erection of a 14-story hotel to cost approximately \$1,250,000. The building will be located on Broadway, near the Eastman Hotel, which has been acquired by the Mann interests, and it is the purpose of the purchasers to remodel this building also at a cost of \$250,000.

Houston Ready for Democratic Convention.

The facilities of Houston for taking care of the Democratic Convention are pictured in a booklet now being distributed by the Southern Pacific Lines. In addition, many points of interest throughout Texas are enumerated. The many hotels illustrated should be of particular interest to prospective visitors to Houston. Copies of the booklet may be secured from the Passenger Traffic Department of the Southern Pacific Lines at Houston, Texas, or New Orleans, La.

22-Story Apartment Building for San Antonio.

San Antonio, Tex.—The Swiss Plaza Building Company has been organized here with F. L. Hillyer, president, to construct a 22-story apartment building to cost approximately \$1,250,000. The structure will be 140 by 70 feet, of steel, concrete and face brick, with setbacks at the seventh, tenth and fifteenth floors, to provide private terraces, while a public terrace will be provided on the twenty-first floor. A two-story garage building will be erected in the rear. Swimming pool and recreation center will be provided. Phelps & Dewees, of this city, are the architects.

\$1,500,000 Order Placed by Virginian Railway.

Richmond, Va., May 26.—A contract for the construction of 1,000 steel hopper car bodies, to cost approximately \$1,500,000, has been awarded by the Virginian Railway to the Virginia Bridge & Iron Company at Roanoke.

The order calls for the construction of steel hopper car bodies on old trucks and under contracts for similar work which were let by railroads in 1927 the cost per car would amount to about \$1,500, or a total of \$1,500,000. The cars are of the 57½-ton type.

Flood Control Law Celebration.

In celebration of the enactment of Federal flood control legislation, a "Victory Flood Control" jubilation will be held in Chicago, June 4, at the Hotel Sherman, that date being the anniversary of the Flood Control Conference last year. A meeting of the executive committee of the Conference will be held in the afternoon and a banquet in the evening. The executive committee is composed of Mayor William Hale Thompson of Chicago, chairman; Mayor Arthur J. O'Keefe of New Orleans, Mayor Victor J. Miller of St. Louis and Mayor Rowlett Paine of Memphis, vice-chairmen; William Wrigley, Jr., treasurer, and Thomas J. Hill, secretary.

Mississippi Power Company Plans Transmission Lines.

The Mississippi Power Company, of Gulfport, Miss., plans to build an 11,000 volt transmission line from Richton to serve Beaumont and McLain, Miss., a distance of 20 miles, and a 44,000 volt line from Hattiesburg to Richton, a distance of about 25 miles. This will call for the installation of oil circuit breakers at the primary substation at Hattiesburg and for a step-down substation at the Richton plant, of 150 Kva capacity. For the present all lines will be operated at 11,000 volts. A. L. Oesterle is superintendent of operations for the company.

Views of Two Presidential Candidates on the Tariff Question.

[The supreme importance of a protective tariff to safeguard the agricultural and industrial interests of this country from undue competition with the products of other lands, made by labor which is paid wages that would mean starvation for Americans, justifies the publication of the views of Governor Lowden and of Secretary Hoover in regard to the need of an adequate protective tariff. The tariff question is one which vitally concerns the prosperity of America. Some of the reasons for it are clearly stated in the accompanying articles taken from extracts of speeches by Governor Lowden and Mr. Hoover.]

The Manufacturers Record would like to have the opportunity of publishing the protective tariff views of other Republicans and of Democrats who are seeking the Presidential nomination. The people have a right to know what the men who aspire to be President of the United States—whether they be Democrats or Republicans—are thinking on this vital question.—Editor Manufacturers Record.]

The Protective Policy As Seen by Secretary Hoover.

Benefits Of Protection.

Excerpt from address at Duluth, Minn., October 23, 1926:

"I well recollect that at the time the tariff law was passed, it was predicted it would destroy our foreign trade, yet under it our foreign commerce—both imports and exports—have steadily increased until they have reached the highest volume known in all the peace-time history of our country.

"It was predicted that it would unreasonably increase prices, yet government statistics show price levels of articles on the tariff free list have increased on average more than the price list of articles on the protected list.

"It was predicted that under the increased tariff, incentive to efficiency in industry would be decreased because of the lessening pressure of competition, but our country shows today that never in any period in any land has there been such a remarkable increase in industrial efficiency on the part of both employer and employe as has been witnessed in our country during the last five years.

"It was predicted that the tariff law would retard American prosperity, but under it we have come into the fullest measure of prosperity that the world has ever witnessed.

"It was predicted that this tariff law would make the rich richer and the poor poorer, but there was never in the whole history of the country so little poverty and so wide a diffusion of comfort as there is today."

Tariff And The Farmer.

Excerpt from address at Topeka, Kan., October 26, 1926:

"No one can say that our farmer has not enjoyed higher prices for many of his products as the result of the duties collected upon \$740,000,000 worth of imported agricultural products. And when our opponents discuss reducing the tariff they mean not alone reducing the tariff on cotton goods, steel or typewriters, they mean also to reduce the tariff on wheat, on wool, on meat, butter and flaxseed. I do not for one moment believe that the farmer wishes to abandon this great measure of protection. Moreover, our farmers are vitally interested in maintaining high standards of living amongst our workers in other industries than agriculture.

"The sole market of the full stomach at home is better than the chance to compete for the stomach of the underfed worker abroad whose buying power is limited."

Tariff As A World Power.

Excerpt from address at New York City, March 16, 1926:

"Without entering upon any partisan discussion of the protective tariff, which I, of course, support, there is one phase of the tariff which I believe experience shows has less effect upon the volume of international movement of commodities than had at one time been assumed.

"As a result of the hardships suffered by many people of both combatant and neutral nations during the war, there came to all nations a deep resolution, in so far as the resources of their countries permitted, to produce as far as possible their essential commodities. The struggle to overcome post-war unemployment has added to this impulse. The result is that 52 of the 70 nations of the world, including almost every important trading nation, increased their tariffs

after the war. It might seem that these widespread protective policies would tend to localize industry and thus decrease the total volume of international trade. But it certainly appears that internal economic and social currents which make for prosperity or depression in a nation have a much larger effect upon the total volume of imports than the tariffs and thus more largely affect world trade as a whole. In our case, far from our present tariff diminishing our total imports, they have increased about 35 per cent since the higher tariff came into effect. This has also been the case with other nations which have progressed in internal economy. In any event our experience surely indicates that in considering the broad future of our trade we can dismiss the fear that our increased tariff would so diminish our total imports as to destroy the ability of other nations to buy from us."

The Tariff And Agriculture.

Excerpt from radio address in Los Angeles, October 29, 1924:

"The Fordney tariff, passed by this Republican Administration, is of more importance to the state of California than to any other single state in the Union. The Democratic Party promises a speedy reduction of this tariff. Mr. LaFollette and the Third Party are equally vigorous in their denunciation of it. * * *

"Both of these gentlemen denounce the Fordney tariff as the product of Wall Street and the 'citadel of privilege.' It is a curious fact, known to every student of American economics, that Wall Street is for free trade, and anyone who wishes to examine the question has only to study the three or four daily and weekly journals which emanate from that center. Wall Street has been increasing the denunciation of this Republican policy. Wall Street certainly has no interest in keeping up the tariff on California products. If there is any 'citadel' that will maintain this protection to every one of California's fundamental industries, I am for California keeping her representation in that citadel.

"Both the Democratic and Mr. LaFollette's party have repeatedly denounced the tariff as 'an act to increase the price of what the farmer buys and reduce the price of what he sells.' We can prove the untruth of this statement right here in California with great precision.

"The Fordney tariff greatly increased the duties on the following commodities: Shelled almonds, walnuts, oranges, lemons, grapefruit, olives, apples, berries, cherries, figs, peaches and pears, rice, beans and peas, onions, barley, wheat and oats, sugar beets, dried and preserved fruits, poultry and eggs, butter, cheese, hay and hogs, sheep and wool. If there is any important agricultural product of California that is not protected by the present tariff I do not know what it is. On the other hand, there is no tariff on agricultural implements, on breeding animals, on fertilizers, on oil or gasoline, on harness, and the kinds of lumber and cement used on the farms. Our prices on automobiles and sewing machines and others are the lowest in the world.

* * * "It must be evident that the real truth is 'this is an act to increase the price of everything that California farmer sells and to reduce the price of what he buys.' Where is the 'citadel of privilege' in all this? If there is such a citadel, then the California farmer is sitting in the middle of it. In 1920 there were 517,000 people making their living directly from the protected agricultural industry in Cali-

ifornia. Today there are many more. Indirectly another half million are dependent upon the supply to the farmer, on the distribution, transportation, banking, and other necessary steps in marketing his products. This has been increased since the 1920 census.

"If there is anything that the leaders of the Democratic Party and the Third Party have been certain about, it is that they are going to reduce or abolish the tariff on California products. They did practically demolish this protection in the Democratic Underwood tariff of 1913. If it had not been for the intervention of the war, with its shrinkage of European production and high demand for California products our industries would have been destroyed. * * *

"I want to make this matter seem still more clear, and I propose therefore to take one California commodity as an example out of the twenty that I could use. Twenty thousand people in California are engaged in the raising of raisins or in the business and commerce connected with this single product. The average price the farmer is receiving this year for raisins is between 3½ and 4 cents a pound. The average wholesale price on the Atlantic seaboard is about 7 cents, being the price made by our own co-operative association. The duty on raisins is 2 cents a pound. If you take this duty off of raisins it means that the yield to the farmer will be less than 2 cents a pound on California raisins. We cannot lower the distribution expenses. That is already down to the bottom through our co-operative associations. The reduction in price, if the tariff is reduced, will come from the farmer. I know that the prospective 3½ to 4 cents being paid for raisins by the co-operative this year scarcely covers the cost of production. If this tariff is taken off every raisin grower had better plow up his vines. Our Democratic and Third Party friends will say that they can raise barley, or oats, or wheat, or something else on their land, but I ask you who are raisin growers and who know how many people in California can be supported if we turn our vineyards into grain fields—what do you think about it? The land bearing raisins is estimated at about 300,000 acres, which produced last year a crop valued at \$18,960,000. If we plowed up our raisin acreage and substituted wheat, oats or barley, the most optimistic return would bring only about \$4,800,000. What are we going to do with these people who are thrown out of their livelihood?

"Removal of the tariff means to California poorer schools; it means poorer homes; it means larger burdens and longer hours of labor; it means the degradation of our people."

Tariff And International Trade.

Excerpt from address at Tulsa, Okla., October 25, 1926:

"A recent statement signed by international bankers in various parts of the world calls for a reduction of the barriers to trade. Whether they meant the abolition of the American protective tariff or not, nevertheless our Democratic opponents in some sections are hailing it as such and are securing much comfort from it. The Republican Party does not agree with any proposal to abolish the principle of protective tariff. The election of our opponents does mean its abandonment.

"Our first job is to the American people by maintaining their standards of living from destruction through pouring manufactured and agricultural products produced by cheaper labor and standards of living abroad. But entirely aside from this, our first duty, that policy is not a selfish policy. Through its recovery from the war America has become the economic reservoir of loans into the reconstruction of Europe which could only have been garnered from our increasing strength.

"The world gains nothing if the high standards of America are sunk and if we are prevented from building up a civilization which sets a standard for all people and a hope for the entire world. That this is true is shown not only by the loans we have been able to make, but by the fact that our prosperity has created an unprecedented demand from Europe for raw materials and goods which we cannot ourselves produce. Our purchases from Europe of these things have increased by over \$500,000,000 since the tariff law was enacted.

"Tearing down the prosperity of America is a poor way to increase our international business."

The Western Farmer And The Tariff.

Excerpt from radio address at Denver, October 25, 1924:

"Another of our issues is the tariff.

"The Fordney tariff provided greatly increased duties on Colorado fruits, beans, peas, grain, sugar, beets, potatoes, wool, poultry, eggs, dairy produce, hay and livestock. If the

tariff were taken off of these Colorado specialized agricultural products today the prices would fall and the Colorado farmer would suffer. He would suffer because beans and eggs and dairy products and wool and sugar and potatoes can be produced in foreign countries and shipped to eastern United States for less money than they can be produced in Colorado and shipped to the great markets in this country. Steamship rates from Mediterranean countries, from Manchuria, are less than rail rates from Colorado to the markets and the labor in those countries receives about one-third of the return in purchasing power that the labor of Colorado receives.

"It is claimed that it is an endowment of the great manufacturers of the East. It is to be noted, however, that there is no tariff on the lumber or cement that the Colorado farmer uses. There is no tariff on his agricultural machinery, his fertilizers, his gasoline, his harness or many other of the important things he uses. If it were true that the tariff is a great endowment of the eastern manufacturers, then some one should explain why the great American Woolen Company has been unable to pay its dividends. And yet the Colorado farmer is getting the benefit of increased wool prices.

"The tariff is a protection to labor, it is a protection to the farmer. If there is a 'citadel of privilege' gaining vast benefits out of the tariff, the Colorado farmer sits in this citadel. And justly so. Moreover, the laboring people of Colorado should bear in mind that if the protection is taken off the produce of Colorado farmers his production will shrink, his direct and indirect employment of labor through the marketing of his products will also diminish and he will go back to the old question of providing jobs for his men."

Agriculture And The Tariff.

Excerpt from interview by John F. Fennelly, published in "Commerce and Finance," November 18, 1925:

"I realize that the farmer, who produces a commodity of which we have a large surplus for export can obtain little advantage from a protective tariff schedule. But I look at the agricultural tariffs as an aid to thorough diversification, a lever which will enable the farmer to turn from the production of surplus commodities to those which we would normally import. In this manner the transition to a position of permanent stability can be accomplished without unnecessary suffering on the part of our farming population."

As an example of what he means Secretary Hoover cited the case of flax. "Under the new tariff the flax acreage in the United States increased between 1922 and 1924 from about 1,100,000 acres to 3,300,000 acres and the increase in value from about \$22,000,000 to \$68,600,000. In North Dakota the total product showed increased return to the farmer from \$10,000,000 to \$33,000,000, thus relieving the burden of excess wheat production."

Secretary Hoover believes the same results can be accomplished by proper protection of wool, sugar, vegetable oils, etc. "If we can divert the attention of the farmer to such commodities the farm problem will gradually work itself out, because of the constantly increasing demand of our growing population. To put this whole proposition in another way: Our domestic consumption is increasing faster than our population and if the American farmer can have this domestic market to himself the law of supply and demand will run entirely in his favor."

Tariff And International Trade.

Interview with Associated Press, October 23, 1926:

Chicago, Oct. 22 (AP).—If the twenty-three nations of Europe would imitate America's forty-eight states in establishing free flow of trade between themselves—

And if Europe as a whole would then establish her trade relations with the rest of the world as has America—

The purpose of the recent international manifesto advocating removal of trade barriers would be practically accomplished, Herbert Hoover, Secretary of Commerce, said here today.

The manifesto cannot be directed with any logic at the United States, said Mr. Hoover, because in the five years since the enactment of our present tariff, American imports from Europe have increased 54 per cent, while our exports to Europe have increased but 13 per cent.

"In the face of this increase," the Secretary declared, "It can scarcely be contended that our tariff is destroying European trade.

"There is a good deal of current misunderstanding in Europe and elsewhere about 'barriers on trade' with the United States. In the first instance, we have no discrimina-

tory railroad rates, no subsidies, we make no stipulations that money we loan shall be spent in the United States, we have no cartels or government price fixing on commodities. Therefore our export trade is wholly free of impediments. The sole question is the tariff on a portion of our imports.

"Our import trade is 62.7 per cent on a free trade basis. Of the remaining 37.3 per cent, some 7 or 8 per cent was in

sheer luxuries, dutiable for revenue purposes only. Of the remaining 30 per cent, agricultural products which compete with our farmers but which do not come from Europe comprise about 17 per cent.

"In any event, so long as the present low standards of living and low wages exist in Europe, we must maintain protection to certain of our industries."

Governor Lowden Pleads for a Protective Tariff for Agriculture and Industry Alike.

By WILBUR F. WAKEMAN.

New York, May 26.

Delegates to the National Conventions and not issues now absorb the attention of political leaders of both political parties.

For the consideration of American voters on Tuesday, November 9, there is only one issue, namely, a continuous opportunity to earn and spend by and through the Protective Tariff.

Recently I came across a speech by the Honorable Frank O. Lowden, former Governor of Illinois, delivered at Lebanon, Ind., on October 14, 1926. I submitted a copy to Mr. Lowden who enthusiastically confirmed the accuracy of the report and indicated that he would have more to say in favor of Protection very soon.

Mr. Lowden's speech in part was as follows:

"There is a farm problem and a serious one. It is a mistake to minimize this. The remedy offered by our Democratic friends, however, in my opinion, would make matters worse rather than better. They propose to replace the present Republican Protective Tariff with a Democratic Tariff. Just what a Democratic Tariff is it is hard to say. Formerly they called it a 'tariff for revenue' only. That means a tariff only on the things we do not produce, or if upon things we do produce, an excise tax on domestic production equal to the tariff rate. This was the earlier theory of a Democratic tariff. In practice, however, no American tariff law was ever written upon this principle. There were industries clamoring for protection in those regions controlled by the Democratic party. When, therefore, the Democratic party framed a tariff, it abandoned its 'tariff for revenue' principle and afforded some measure of protection to favored industries. It followed that the tariff thus framed was a tariff by hit or miss. The Democratic party, having abandoned the only principle it had announced, could not do otherwise. Upon the other hand, the principle of a Republican tariff—protective tariff—is to impose duties measured by the difference of cost of production at home and abroad. The principle is simple and capable of universal application. It applies to the products of the factory, the mine and the farm. It looks to the preservation of American markets for American products.

"For the phrase 'tariff for revenue' our Democratic friends have now substituted 'competitive tariff.' Just what this means no one has attempted to say. If, however, the Underwood tariff bill was framed upon this principle, it is apparent that its application results in exactly the same kind of hit or miss tariff as our Democratic friends have always framed. By whatever name, however, the Democratic tariff is called, it means the abandonment of the principle of Protection.

"Is this the way out of their difficulties for the farmers of America? I think not. A half century ago we were farming cheap virgin lands. Taxes were negligible, the expense of cultivation was low, and we could produce more cheaply than the farming population elsewhere. Since then there has been a vast change throughout the world. South America, Australasia and South Africa are now occupying the position in respect to agriculture which we occupied then. The evidence is overwhelming that we have lost the advantage we then

held. If we are to maintain the past standard of living upon the farm, we must protect agriculture. We now have a protective tariff upon most farm products. With reference to many things that tariff is effective. The annual value at the farm of our dairy products, for instance, is about two and a half billions of dollars. We now have a duty of twelve cents a pound upon imports of butter. The price of butter determines largely the price of all dairy products. Without that duty, the two and a half billions of dollars would shrink by many millions of dollars annually. We have a protective tariff upon imports of wool. We have seen the great sheep industry revive as a result of that tariff. We have a protective tariff for our beet industry which has largely benefited that growingly important branch of agriculture. We have a duty upon imports of beef. The cattle industry has suffered enormously during recent years. Those engaged in producing beef now see better times ahead, largely through the protection which the tariff affords. The great citrus fruit industry is dependent for its very existence almost upon a protective tariff. Indeed, looking into the future, I can now think of no important farm product which is not likely to need protection.

"It is true that with some of our products, as wheat for instance, the price in the export market is permitted to have an altogether undue effect upon the domestic price. We raise wheat primarily to feed our own people and it is well that we do. We are one of the chief wheat producing countries in the world and one of the very few that have a surplus to sell abroad. If we were to refuse to produce wheat for a single year and to depend upon the foreign market for our supply, the increased demand coming from America doubtless would raise the price of wheat sky-high, higher than we have ever known it in normal times. This would be a national calamity. It is therefore desirable that we should continue to raise at least enough of wheat to feed our own people. In fact, the great bulk of wheat we produce is consumed at home. Relatively only a small percentage of our total production goes into the markets of the world. It is not fair, therefore, to the farmer that the foreign price should largely determine the price for domestic consumption. If the wheat growers were completely organized, they would be able to segregate the exportable surplus where there is one, market it abroad upon the best terms obtainable, but maintain the American price for the greater part of the crop—that part which goes into American consumption. In this way the tariff would really be effective.

"Organization of the farmers for the purpose of marketing their crops collectively is progressing. I believe that some day it will cover the entire field. Denmark has shown how, under the most adverse conditions, it can transform the agriculture of a people. Wherever co-operative marketing is farthest advanced, either in the United States or abroad, there you will find agriculture in its best estate; violent fluctuations in the markets eliminated; better prices to the producers without an increase in cost and sometimes with an actual decrease to the consumer; an approach to standardization of product; a more intelligent effort to adjust production to probable demand; a finer and more satisfying community life.

"It is doubtful, however, if the co-operatives of the staple

farm products are ever sufficiently organized to take care of this ever-present problem of surplus unless some way be found by which the cost of handling the surplus is borne equally by all producers of the particular commodity. If the producers of any farm product are only partly organized and attempt to take care of the surplus, the producers of that commodity who are not members of the co-operative receive the full benefit of the improved price without bearing any of the burden incident to the surplus. The remedy, therefore, is not a Democratic tariff. The farmer needs a Protective tariff as he never needed it before. What he should have is a better method of marketing his products, by which the tariff shall be made more effective.

"Indeed, it is not only in the marketing of those products protected by tariff that organization among farmers is needed, but in the marketing of all crops as well. I am more and more persuaded that the occasional surplus which is inevitable with any farm product, must be handled through a central organization of producers if that surplus is to be prevented from unduly depressing the market. I think, too, that the co-operative must be empowered in some way to distribute the cost of handling the surplus among all the producers of the community, whether the commodity is protected by tariff or not.

"We are not the only country that has an agricultural problem. Even England is giving the greatest consideration to her agriculture. In 1922 an agricultural tribunal of investigation was created by the British Government. This commission was composed of the ablest economists in Great Britain. They made a most exhaustive investigation and the report is one of the ablest treatises on agricultural economics I have seen. They undertook a comparison of agriculture in England with other States of Europe and found that agriculture in both Germany and France had prospered more than in Great Britain. In the two former countries the policy of Protection had been employed. Not so, as every one knows, in England. The investigation showed that this fact, namely, the policy of Protection, together with co-operation among the farmers of Germany and France, were the two factors which, working together, had given Germany and France their supremacy over England in agriculture.

"Germany's agricultural policy from the early days of the Empire is a most instructive one. That Empire adopted the policy of a protective tariff. It aspired to be a great industrial nation like Great Britain, though it did not imitate the latter country in its tariff policy. At that time Germany could have imported from the new world food for her industrial population cheaper than she could produce it and thus have strengthened her industrialists in their competition with her great rival, England. Their far-sighted political and intellectual leaders asserted, however, that looking into the long future, it were better for Germany to maintain her agricultural population even if there resulted a somewhat slower development of her industries. She therefore protected, through the tariff, her agriculture equally with her industry. Not only did she afford ample protection to the product of her soil, but she saw to it that duties were made effective.

"We cannot have one level for farm prices and another for the prices of commodities generally. The two must be brought into accord. This can be done in two ways. Prices of commodities generally might be brought down to the level of agricultural prices, or agricultural prices raised to the general price level. Isn't it better for agriculture and for the country to employ the latter method? The indebtedness upon which we are now paying interest was largely incurred during the war or during the inflation which followed, when price levels were high. Taxes are largely made up of payments in principal and interest upon public indebtedness incurred at that time. Therefore if we should succeed in lowering the general price level to the farm price level our interest and taxes would remain substantially the same and would have to be paid in much larger dollars than those we received when the indebtedness, both public and private was incurred.

"Interest and taxes are a large part of the cash outgo of the farmer. It seems to me clear, therefore, much better for agriculture and for the country to bring agricultural prices up to a parity with prices of other commodities than to bring the prices of the latter down to the level of agricultural prices. Now it is conceivable that a Democratic tariff would reduce the general price level, but it would leave the great burden of taxes and interest untouched. The true policy is not to debase industry, but to raise agriculture to the level of industry. That policy cannot be maintained without a Protective tariff."

\$2,250,000 CHEVROLET ASSEMBLY PLANT FOR KANSAS CITY.

Will Have Capacity of 350 Cars Daily—To Be Completed in Fall.

Kansas City, Mo.—To keep pace with the demand for its product, the Chevrolet Motor Company, Detroit, a subsidiary of the General Motors Corporation, announces plans for the construction of an assembly plant here which will be the largest of its kind in the Southwest, it is said, representing an investment of \$2,250,000. This announcement follows closely the recent opening of the company's big assembly plant in Atlanta, which was constructed at a cost approximately the same as the Kansas City plant. A site of 28 acres has been secured in the Leeds district for the new plant, which will include a main Chevrolet-Fisher assembly unit, office building, drive-away shed, loading dock and power house.

With the exception of the office structure, all units will be one story, of monitor type roof construction to provide the maximum amount of light for workmen. Nearly half of the assembly unit will be occupied by the Fisher Body Corporation for manufacturing bodies for all Chevrolet closed cars. The buildings will have a total floor space of 410,000 square feet and will be equipped for a capacity of 350 cars daily, to serve Western Missouri, Kansas, North and South Dakota, Wyoming and Colorado. About 1500 workmen will be employed on a daily payroll of more than \$9000. The plant will be under the management of Edward Shaw, at present general superintendent of the Chevrolet plant, Flint, Mich.

Transportation service will be provided by the Missouri Pacific Railroad Company and the Kansas City-Southern Railway Company, with track space for the storage of 300 freight cars. Upon the completion of the Kansas City plant, for which Albert Kahn, Inc., of Detroit, is the architect, the Chevrolet Company will have nine assembly plants throughout the country.

Many Exhibitors Sign Up for South's Textile Show.

To date about 160 individual concerns have contracted for space at the Eighth Southern Textile Exposition which is to be held at Greenville, S. C., October 15 to 20, inclusive. This show of textile and allied machinery and supply manufacturers and distributors of special equipment and construction materials, which is held every two years at Greenville, has become a feature of the textile South and since its inception has grown to commanding proportions.

The Exposition is sponsored by the Textile Hall Corporation, of Greenville, S. C., of which William G. Sirrine is president and treasurer and Miss Bertha M. Green is secretary. Among the directors are to be found some of the leading textile and other business men of the South.

Livestock Train for South Carolina.

Clemson College, S. C., May 26—[Special.]—The Extension Service of Clemson College and the Atlantic Coast Line Railroad are co-operating to run a livestock development train through South Carolina June 18 to July 17, inclusive, to demonstrate a way to greater agricultural prosperity through more and better livestock. The Extension Service is providing the livestock and equipment exhibits and sending agricultural specialists. The railroad is furnishing the train and will operate it over its own lines as well as certain allied lines, stopping at 52 of the principal towns for exhibitions. V. W. Lewis, general livestock agent, who recently visited a similar special demonstration train in Missouri, is in charge of the railroad's arrangements. Dr. W. W. Long, director of extension at Clemson College, is in charge of exhibits and programs.

The Cement Industry Joins in the Demand for a Protective Tariff.

By GEORGE GARNER.

New York, May 24.

Convincing demand for tariff protection for the American cement industry against disastrous competition by foreign manufacturers was voiced at the spring meeting of the Portland Cement Association, which last night closed a session of three days at the Biltmore Hotel. Although technical subjects formed the program for the numerous group sessions, the necessity for tariff protection was a topic of general discussion and was made a feature of addresses by President G. S. Brown of the Association and C. H. Boynton, assistant to the president of the Atlas Portland Cement Company.

"Foreign labor gets about one-fifth the wage our labor receives, forcing wife and children to labor in order that the family may have a bare subsistence," was one sentence of Mr. Brown's speech; and:

"It is a matter of first importance that the cement industry utilize every proper effort to obtain pledges in the platforms of the two major parties that the tariff will be revised," said Mr. Boynton.

As the upshot, the following preamble and resolutions were presented and unanimously adopted:

Whereas, Portland cement is on the free list of the existing Tariff law, and the American Portland Cement Industry, operating 150 mills in 32 States of the United States and representing more than \$600,000,000 in invested capital, is vitally affected by increasingly serious invasion of its home markets with cement manufactured by cheap foreign labor under low standards of living and general production costs that are much smaller; and,

Whereas, The products of other important industries, likewise on the free list, are suffering similarly, both directly and indirectly, affecting general national prosperity, thereby threatening American standards of living which it is the purpose of the Tariff law to maintain and creating a situation that strikingly emphasizes the need for prompt changes in the tariff structure by legislative action in Congress; and,

Whereas, The national conventions of the major political parties will soon place before the electorate the platforms on which they will ask the return of their candidates in the forthcoming national elections; therefore, be it

Resolved, That the Portland Cement Industry assembled in semi-annual meeting in New York city, May 23, 1928, regards prompt tariff revision by Congress as a national need of first importance and one which should be pledged by both parties in their political platforms.

From conversations with representatives of the American cement industry, one gathered that conditions are depressing, with lack of tariff protection for the American product as the basic cause of the depression. Further, unbusinesslike price-cutting and other unbusinesslike operations were cited by more than one visitor. And this, indeed, appeared to have generated a feeling of almost mutual suspicion in the industry membership. On the one hand, business is said to be brisk—"Our industry continues to make records, 1927 showing a new record in consumption and production of Portland cement," said President Brown. On the other hand, "Profits in the industry in the United States were generally less in 1926 than in 1925, and such statements as have been published for 1927 show still smaller returns than 1926," Mr. Brown continued.

At the outset, it may be explained that tariff relief for the American industry by Presidential action is not possible under the "elastic tariff" provision of the Tariff law giving the Executive authority to raise or lower established rates. "Nothing in this section shall be construed to authorize a

transfer of an article from the dutiable list to the free list, or from the free list to the dutiable list," reads a provision in Section 315—and, cement is on the free list.

Relief through legislation being the only course in sight, the industry has debated which of two policies to pursue: One, to seek a duty on foreign cement through a bill covering cement only; the other, to demand general tariff revision, in which cement would be placed on the dutiable list. The latter plan was adopted, as being considered the more practicable and the more filled with promise. At present, there are approximately 50 bills before Congress, asking tariff protection for the same number of individual commodities, and the cement industry felt that it would be futile to add another and to become lost in the shuffle. And in comment on this decision, Mr. Boynton said:

"The tariff plank recently adopted by the Committee of One Hundred on Platform for Industry, organized by the National Association of Manufacturers and representing every important industry in the country, specifically calls for congressional tariff revision for such free-listed articles as show need for tariff protection."

Incidentally, it may be said that, under the head of "Tariff," the report of the Committee of One Hundred opens thus:

"In the light of accumulated experience, we more than ever endorse the American tariff principle as necessary to the well-being of agriculture, labor and manufacture."

Such protection, the Committee feels, can best be attained through general tariff revision, and the leaders of the cement industry have decided to fall into line, instead of asking relief for their industry individually and alone.

As arranged by the program, the first day was devoted to discussion of such subjects as "Mill Sessions," "Conservation," "Transportation," "Accounting," "Accident Prevention and Insurance," "Advertising," "Technical Problems," "Packages" and "Elimination of Waste in Selling." General sessions on the second day also were devoted mainly to technical topics, and the business session was held on the third day. In this were presented various committee reports and the addresses of Mr. Brown and Mr. Boynton.

That the operations of the production end of the industry have been refined about to the limit, was a belief generally expressed, overhead having been cut down and plant management having been rendered more efficient by the introduction of new policies and new devices. In the line of labor alone, the conservation committee showed that in the last six years there has been a reduction of 19 per cent, while heat formerly wasted is used now in waste-heat boilers; much coal now is saved, in comparison with the past, and even loss due to accidents in the plants has been very largely curtailed. Now, the industry is turning its attention to the distribution end and hopes soon to improve that greatly.

First citing the great production record for 1927 and expressing hope that 1928 may close with even some gain over the previous year, Mr. Brown continued:

"Encouraging as this outlook is by comparison with many other industries, whose prospect is distinctly curtailed consumption, there is still with us the fact that we are working on a dangerously narrow profit margin. Profits in the cement industry in the United States were generally less in 1926 than in 1925, and such statements as have been published for 1927 show still smaller returns than 1926. Were it not that the industry generally, during the last six or seven years, had used earnings with lavish hand in modernizing its plants, and applied skillfully the knowledge gained through association

statistics in reducing the use of coal and labor, we might be without any profits."

Then, citing various lines in which economies had been instituted, Mr. Brown added:

"All that has been done in the way of economy has been done despite the fact that quality as at present measured has materially improved. We have made a start in gathering statistics in regard to selling costs and in improving the work of our salesmen. The Association is providing information which will enable them, if it is used, to become salesmen for cement and its uses rather than, as they have been in many cases, mere order takers. Whether the cement industry has kept pace with other industries in cost reduction, we have no accurate means of knowing. Such data as we have would indicate that, generally speaking, it has done so, although, probably, more attention has been paid to cost reduction by all industry in recent years than to any other factor in the profits equation. However, little has been done so far as distribution costs are concerned. While we have not succeeded as we have in manufacturing costs, nevertheless we have made a start. We can, therefore, go to the public with clean hands.

"We are not asking to be paid for inefficiency, incompetency or extravagance. We must meet the competition of substituting materials with the best defense—that of forcing the fight to place our own commodity in the van of construction materials. Those substitutes made in the United States under the same laws by which we are governed, using the same labor with the same wage scale, provide a spur to keep us on our toes to insure that quality shall remain high, that efficiency in production and distribution shall be maintained and that extravagance shall be eliminated."

Then, turning to the tariff, Mr. Brown said:

"But, how are we to meet the competition of foreign cement, manufactured under laws which are the antithesis of ours, in that, instead of making illegal any agreements as to price to be charged, curtailment of production and division of territory, the foreign laws actually foster these practices which are banned by our law?

"This foreign cement is distributed under a system of freight rates which, in effect, subsidizes exports to such a degree that freight for 3500 miles costs less than we must pay for 60 miles.

"Foreign labor gets about one-fifth the wage our labor receives, forcing wife and children to labor in order that the family may have a bare subsistence.

"In theory, I have no quarrel with the man who would have us enable the nations of Europe to pay their war and other debts to the United States. But, I would rather we provide the means, if we must provide them, through the expenditures of our well paid citizens who visit those ancient lands, rather than from the wages of our American labor.

"For every barrel of cement imported to this country, some American laborer loses over an hour's pay. This loss may be in the cement mill or quarry, the coal mine, the gypsum mine, the cotton field or mill, the powder mill, the foundry or machine shop, the steel mill, or on our transportation system; for, all of these have a part at some stage in the manufacture and distribution of cement.

"Were this menace of imported cement removed so that our seaboard markets would give us as good a return as our interior markets, I would consider our industry satisfactory when compared with industry in general. This is excepting one or two regions where capacity to produce is very excessive.

"We are receiving encouragement in our campaign for a tariff on cement, but that relief is in the future. For the present, we must content ourselves by putting up as strong a fight as we can, in order that taxes taken from us be not used to take further work from labor. It is already suffering from curtailed opportunity to work in this country, due to the importation of various materials. In some sections of the country, the price of cement is already so low that manufacturers are withdrawing from seaboard markets and curtailing production, rather than continue selling their product for less than it costs to make. It is very apparent that, unless our legislators recognize the logic of these facts, we cannot expect the high wage of the present to continue. The plight of the farmer may be bad, but it will be worse if labor is unable to live on the high scale it now enjoys."

In urging the cement industry to fight for tariff protection, Mr. Boynton said, in part:

"Unless the party in power after the next election decides upon a general tariff revision, no amount of clamor for relief by any one industry will be effective and, unless one party or the other has clean-cut political control of the Legislative

branch of the Government, a determined effort to block any tariff will be made by industries satisfied or nearly satisfied with the amount of protection they have under the existing law. The probabilities of the success of such a movement are enhanced by the fact that the results of the forthcoming elections promise to be very close, and the need for obtaining from the major political parties platform pledges is apparent.

"It is a matter of first importance that the cement industry utilize every proper effort to obtain pledges in platforms of the two major parties that the tariff will be revised. The tariff plank recently adopted by the Committee of One Hundred on Platform for Industry squares with the effort of the cement industry to insure tariff revision by obtaining platform pledges to that effect and is something which the cement industry as such should support and which the separate units of the industry should follow closely and aggressively."

Outside the business sessions, great enthusiasm was shown in a golf tournament, held at Mamaroneck, and the banquet which closed the convention was a great success.

The present officers of the Association are: G. S. Brown, president; E. M. Young, first vice-president; Robert B. Henderson, second vice-president; John L. Senior, treasurer; William M. Kinney, secretary and general manager; G. E. Warren, assistant secretary and assistant general manager; F. L. Page, assistant treasurer; J. R. Fairman, manager, Southeastern offices; C. D. Franks, manager, Midwestern; J. E. Jellick, manager, Pacific Coast; Forest Kaufman, manager, Southwestern; A. C. Toner, manager, Mideastern; B. H. Wait, manager, Eastern; directors, G. S. Brown, chairman; H. L. Block, Charles Boettcher, L. R. Burch, Charles F. Conn, C. B. Condon, Robert B. Henderson, H. F. Jennings, John A. Miller, Lindley C. Morton, John L. Senior, Blaine S. Smith, William S. Speed, H. Struckmann, L. T. Sunderland, John Treanor, C. E. Ulrickson, H. S. Wherrett, E. M. Young.

The annual meeting will be held in Chicago, in November.

\$2,000,000 Airport Projected for Miami.

Plans have been projected at Miami, Fla., for the construction of a municipal airport at an expenditure of between \$1,000,000 and \$2,000,000, although it will probably be two years before the project can be undertaken, according to A. H. Heermance, Director of Aviation of the city. A satisfactory municipal airport about 20 minutes northwest of the city is now being used. This is served by splendid roads and is said to have ample facilities. It is proposed to build the new airport in Biscayne Bay, which will involve filling in about 100 acres of land, the construction of hangars, seaplane landing, hoist for removing planes from the water, adequate machine shop and a bridge to connect the airport with the mainland.

Weirton Steel Company to Expend \$1,350,000.

Weirton, W. Va.—Plans for improvements and additions to the plant here of the Weirton Steel Company, call for a new 250-ton open hearth furnace with producers, addition to pit furnaces and stripper building with an additional row of soaking pits and equipment, addition to slab yard, and additions to the 10-inch and 16-inch mills. The proposed improvements will bring the open hearth ingot capacity to 1,200,000 gross tons in 1929, it is said, work having already been started. The cost will be about \$1,350,000.

Georgia & Florida Railroad Company Plans Line to Greenwood, S. C.

The entire issue of \$1,000,000 first mortgage bonds to be issued shortly by the Georgia and Florida Railroad Company will be taken up without resort to public sale. Request for permission to issue the bonds is now before the Interstate Commerce Commission. The proceeds will be used in completing an extension of the Georgia and Florida's line from Augusta, Ga., to Greenwood, S. C.

Not Less Cotton, but More of Something Else.

By WELLINGTON BRINK, Dallas, Tex.

This year, while memories still are raw with the disappointments of 1926 and 1927, an effort is being made to consolidate Southern agricultural forces on a positive platform of cotton substitution in preference to the familiar negative campaign of crop reduction. Farmers and merchants, bankers and wholesalers, editors and implement dealers, the railroads and the utilities, all whose destiny is inseparably linked with the prosperity of the producer, are crying that it is time to call a halt to wanton waste of soils and opportunities.

More than 40 years have elapsed since the late Colonel Frank P. Holland, godfather of infant Texas agriculture, began advocating a safety program of feedstuffs, livestock and diversification. Today here, there and everywhere are to be found dirt farmers, Southern agricultural pioneers, putting into effect this three-fold program and regularly making substantial deposits in their local banks. For many years, feedstuffs, livestock and diversification have been advocated. It is only of late, as farmers have been forced to keep accurate books, that the real farm commodity has been made plain. This commodity is labor—not cotton; labor—not cattle; labor—not hogs; labor—not corn; labor—and its boon companion, time.

Time must be expressed in terms of agricultural production. The losing farmer is he who drives a bad bargain for the 3000 hours or more than he puts on the counter each year. He permits himself to be paid at the rate of a few cotton bales and a lot of whittling and whistling. The winning farmer, his neighbor, on the other hand, is he who makes a better deal for the same amount of working time, by drawing his pay according to the market prices of hogs, cattle, chickens, home garden, milk cow, feedstuffs, fruits and the traditional cash crop, cotton. Labor hours are earning hours, on the farm as in the factory. Strikes cost the workers money, no matter whether self-imposed or otherwise.

"Cotton is a 100-day crop, and the problem of the farmer is to find profitable employment the remaining 265 days," I was told by Frank P. Holland, Jr., recently.

The farm bookkeeping of J. A. Moore, near Grand Prairie, Tex., is unique. It actually tells whether or not his farm is a paying proposition. Simple numerals denoting income and outgo are only the beginning. Oddly for an agriculturist, he considers his own time and energies worth something. He keeps tab carefully on what he is getting for his own labor, the labor of those who assist him and the labor of work stock. Crops paying the largest profits, he concludes, are those paying the most per hour of labor. If it happens, as it does, that livestock harvesting is found more economical than other kinds of harvesting, the savings are considered to be savings in crop costs. If it happens, furthermore, that crops may be marketed advantageously in the form of livestock, the profits even then are figured on crops rather than livestock. Is it too much to assume that the farm factory should pay interest, taxes, depreciation and reasonable earnings for man-hours?

Many men of business, business urban and business rural, are being forced to the conclusion that livestock is the key to the cotton situation. Their experience has shown them that what is required is not less cotton, but more of something else. Livestock supplies the need. It entails the growing of feeds; feeds fit naturally into rotation systems. "Pigs in clover" proves to be more than a flip phrase; good pigs help to put their owners in clover. Every year we are robbing Texas to pay Iowa. Fertilizers that ought to be replacing humus taken from Texas soils are being added to farms of Iowa and Illinois and other States accustomed to

importing feeder stock from Texas. This is uneconomic. Texas livestock ought to be bred, fed and finished on Texas feeds on Texas farms.

When the dairy cow horns into the situation, excess cotton acreage immediately gets on the defensive. And when the squeal of a well fed pig cuts the still air, cotton's overproduction takes one last look, climbs the fence and disappears.

"We think there is no use preaching diversification to farmers, without giving them a market for crops they may substitute for cotton," summarizes M. W. Holland. "Diversification without livestock won't mean much. With livestock, farmers will not have to spend one-twentieth of the gross proceeds rebuilding soils, as at present. Livestock will provide a market for feed which the farmers may raise themselves. This will mean building up soil through balanced cropping. In addition it will provide a program of all-year work. The farmer can divide his time so that every hour will be employed and he can clear, in per hour return for his labor, something more than \$1.17 on an average for all products, compared with only 40 cents on cotton.

"The cost of harvesting runs about eight to one for corn against cotton. It takes three times as many man-hours to pick a bale of cotton as it does to make it. Some 11 pounds of feed (roughage and concentrates) makes a pound of livestock. That means material reduction in freight costs when feeds are sent to market in hide containers."

Mr. Holland believes livestock can be overdone, just as can cotton. It is his view that no farmer should have more livestock than he can grow feed for. He cites the gradual release of the crop to market that is effected on the Moore farm. Temporary fences are strung partitioning feed plots. Estimates are made of crop yields and of acreage necessary to bring harvesters to the point for finishing. The remainder of the crop is gathered by hand and stored for later requirements.

Then, Mr. Holland points to Mr. Moore's books for 1927, which show that peanuts paid him at the rate of \$1.11 per man hour; 1169 pounds of seed cotton per acre, 6.03 cents per man hour; 310 pounds of seed cotton per acre, 40 cents per man hour; Irish potatoes, \$1.87 per man hour; sorghum hay, 6.22 cents per man hour; roasting-ear corn, \$1.28 per man hour; field corn, \$2.95 per man hour; sweet potatoes, 6.94 cents per man hour, and watermelons, 2.37 cents per man hour. In 1927, Mr. Moore deposited in his bank \$15,279 and there was not a month in the year in which he did not put money to his credit from two to five times. Every farmer in the South ought to be doing that.

Mr. Moore's goal, I am told, is five bales of cotton, 1000 bushels of sweet potatoes, 200 bushels of corn to the acre. He would rather spend \$150 per acre adding fertility to his present farm than to pay that much for additional and far less productive acres. Again, we see that he has in mind the labor economy of high production. Large yields cost no more to produce than small yields. Crop rotation, well-prepared seed beds, barnyard manure and green crops help to explain Mr. Moore's success. And he has found out that the profitable line is the shortest distance between production and consumption, or between the crop and the mouth. His practices constitute an example not beyond the scope of any intelligent man working 200 acres of land.

Here is a cotton-acreage-reduction program that is constructive: Livestock, foodstuffs and diversification. This trio, playing on a larger field, will put all the South in the winning column.

Record Louisiana Strawberry Crop.

A recent analysis of the strawberry industry of Louisiana by George B. Campbell discloses that all records were broken this season and that the crop will net the growers in the neighborhood of \$7,000,000. Car-lot shipments have reached the 3000 mark, surpassing the crop of 1926, when higher prices for the fruit brought the income also to \$7,000,000. At 1926 prices, the crop this year would have run to about \$8,000,000, in Mr. Campbell's opinion.

Summarizing the movement thus far, H. F. Willson of the Federal Bureau of Markets gives the following shipments, showing the wide distribution of Louisiana strawberries, as against 10 years ago when Chicago was the principal market:

Denver 21 cars, Bridgeport 9, Hartford 14, New Haven 5, South Norwalk 1, Champaign 4, Chicago 601, just about the normal distribution; Decatur 8, Galesburg 1, Peoria 11, Rockford 8, Rock Island 2, Springfield, Ill., 5, Indianapolis 28, South Bend 10, Cedar Rapids 3, Davenport 11, Des Moines 12, Sioux City 11, Waterloo 8, Hutchinson 3, Topeka 1, Wichita 3, Wichita Falls 3, Louisville 7, Bangor 2, Portland, Ore., 12, Baltimore 11, Boston 149, Springfield, Mass., 20, Battle Creek 3, Detroit 194, Flint 2, Grand Rapids 17, Lansing 2, Duluth 12, Minneapolis 44, St. Paul 22, Kansas City 47, St. Louis 95, St. Joseph 3, Billings 3, Butte 3, Grand Island, Neb., 10, Lincoln 13, Omaha 50, Jersey City 100, Newark 21, Albany, N. Y., 16, Buffalo 64, Elmira 3, Glenn Falls 6, New York City 155, Rochester 22, Schenectady 10, Syracuse 30, Troy 10, Utica 9, Watertown 2, Grand Forks 2, Cincinnati 5, Cleveland 46, Columbus 19, Akron 11, Toledo 9, Youngstown 26, Enid 5, Oklahoma City 14, Okmulgee 1, Tulsa 12, Portland 1, Philadelphia 108, Pittsburgh 162, Scranton 12, Wilkesbarre 4, Williamsport 30, Providence 30, Aberdeen, S. D., 1, Sioux Falls, S. D., 9, Memphis 21, Amarillo 4, Dallas 19, Burlington, Vt., 1, Green Bay 2, LaCrosse 1, Marshfield 1, Milwaukee 61, Racine 7, Washington, D. C., 4, Calgary 7, Montreal 24, Regina 1, Toronto 26, Winnipeg 8, Cheyenne 1.

As indicated, the great Eastern markets handled the bulk of cars from Louisiana, leaving the West almost equal to past seasons, with a rather heavy increase for Canadian points.

The area of the Louisiana strawberry district is less than 100 miles square. Acreage is estimated above 30,000 acres in which more than 5000 families are involved. The following points are located in the district: Albany, Denham Springs, Doyle, Walker, Corbin and Holden in Livingston parish; Montpelier in St. Helena parish; Amite, Hammond, Independence, Kentwood, Lorraine, Ponchatoula, Roseland, Tangipahoa, Tickfaw, Natalbany and Woodhaven in Tangipahoa parish; Madisonville, Goodbee and Covington in St. Tammany parish; Bogalusa in Washington parish, Tangipahoa parish and Livingston.

Average prices at the sales ranged from \$1.60½ to \$5.46¼ a crate.

Contract for \$1,700,000 Station at Texarkana.

Texarkana, Tex.—General contract for the construction of a \$1,700,000 union station here has been awarded to the Stewart-McGehee Construction Company, Little Rock, Ark., by the Board of Control of the Texarkana Union Station Trust Company, J. A. Buchanan, chairman, which will handle details. The building will be of brick, stone, steel and reinforced concrete, 2 stories. E. A. Hadley is chief engineer of the Missouri Pacific Railroad Company, which will use the station; E. M. Tucker, architect, and Taxis & Becker, consulting engineers, all of St. Louis.

Corporation to Export Rice.

Washington.—The Federal Trade Commission has approved organization of the American Rice Export Corporation of Louisiana, to deal in exportation of rice and its by-products under the Export Trade law, which grants exemption from the Anti-Trust laws to associations formed solely for export

trade. A. Kaplan of Crowley is president and the other members are: Prairie Land and Canal Co., Inc.; Southwest Louisiana Farm & Mortgage Co., Inc.; Sweet Lake Land & Oil Co., Inc.; Farmers' Land & Canal Co., Inc.; Sabine Canal Company; M. P. Erwins, George M. King, Houston River Canal Company, A. Hollins, all of Lake Charles, La.; Louisiana Irrigation & Mill Co., Crowley, La.; Lacassine Irrigation Company, Jennings, La.; O. J. Todd and A. H. Boyt, Beaumont, Texas.

Cotton Seed Crushers Meet.

New Orleans, La., May 26—[Special.]—The annual meeting in this city last week of the Interstate Cotton Seed Crushers' Association was most successful. There were approximately 650 registrations, seed crushers, oil refiners and representatives of allied trades being present from 26 States. A code of business principles, submitted to the convention by former United States Senator Christie Benet of Columbia, S. C., general counsel of the association, was approved in principle and the association will now petition the Federal Trade Commission for a trades practice conference at which the code will be further discussed.

There was presented a plan for grading seed, developed jointly by G. S. Meloy, cotton seed specialist of the United States Department of Agriculture, and a special committee from the association composed of three oil mill men and three chemists under the chairmanship of J. E. Byram, Alexandria, La. The convention voted to study this plan for a year and take action at the next annual meeting.

In the annual address of General Counsel Christie Benet, stress was laid on the report of the Federal Trade Commission on its investigation of the cotton seed industry, a very constructive document. Threat of an investigation has hung over the heads of the industry for ten years, said Mr. Benet. When finally one was ordered by Congress it was welcomed, he said, because the association knew it had not been guilty of violating the Sherman or any other law and it had confidence that no one in the industry had. When the commission began its work the industry turned over all its records and books and assisted in every way possible. The commission not only exonerated the industry from any wrong practices but offered some constructive suggestions. One was the need of a seed grading plan. The association had recognized this need and has had a committee at work on it for several years in co-operation with the United States Department of Agriculture.

A. F. Myers of the Federal Trade Commission spoke on "Legitimate Trade Association Activities," commenting on the change in public opinion from the day when people thought business men seldom met without plotting against the public good to this day when they feel "that the preservation of competition is dependent on co-operation."

J. E. Byram, Alexandria, La., was elected president of the association for the ensuing year, succeeding S. W. Wilbor, Paris, Texas. Senator Benet remains as general counsel. Other officers are: Harry Hodgson, Athens, Ga.; W. A. Sherman, Houston, and T. O. Asbury, New Orleans, vice-presidents; George H. Bennett, Dallas, secretary-treasurer. R. R. DuPre, Cincinnati; J. Campbell Jones, Abilene, Texas, and P. R. Lamar, Atlanta, comprise the executive committee.

Directors include: E. T. Allen of Montgomery; E. L. Wise of Warren, Ark.; Robert B. McMath of Americus, Ga.; George F. Flaitz of Shreveport, La.; G. E. Covington of Magnolia, Miss.; F. C. Dunn of Kinston, N. C.; H. H. Bellis of Cushing, Okla.; J. B. Caldwell of Spartanburg, S. C.; I. H. Fleming of Memphis; R. M. Stephenson of Dallas; G. G. Fox of Chicago; E. E. Rentz of Houston; Lehman Johnson of Memphis; F. W. McKee of New York city; Stanley R. Pratt of Bakersfield, Cal.; R. S. Malone of Atlanta.

Million Dollar Sewage Disposal System for Charlotte.

By E. G. McCONNELL, Superintendent of Plants, City of Charlotte, N. C.

At a cost of nearly \$1,000,000 the city of Charlotte has built two sewage-disposal plants, embodying the latest advances in the science of sewage disposal. The location of the city on a ridge between two creeks—Sugaw and Irwin—about 10 miles above their confluence necessitated the construction of two plants rather than one.

Both plants are of the activated sludge type but differ in the preliminary treatment of the raw sewage and in the method of sludge disposal. The Sugaw Creek plant has been reconstructed from an old plant and utilizes some of the features of the old installation. These consist of a Dorr fine screen and clarifier with an incinerator for burning the fine screenings. In the old installation the effluent from the clarifier discharged directly into the stream. This effluent was very unsatisfactory and created a nuisance to the property owners adjoining the stream. In the new installation this clarifier effluent is received into large aerating tanks where air is diffused through it, causing the solid matter to flocculate into little particles of sticky gelatinous sludge. During four hours' aeration in these tanks biological action takes place as a result of the oxygen contained in the air and the mixing with sludge that has likewise been aerated to the point of having the sludge particles coated with bacterial life of oxidizing capacity.

From these aerating tanks the sewage passes into settling basins where the flocculent solids settle and are removed from the bottom of the basins by mechanical equipment. The surface water on these basins flows over a weir and discharges into the stream. This effluent is much clearer and usually more stable than the water of the natural stream. The excess sludge is withdrawn from the system and pumped into separate sludge digestion tanks where it remains for several months until ripe. When ripe it is drawn off onto drying beds, removed when dry and used as a fertilizer. These digestion tanks are tightly covered and the gases given off during the digestion process are collected and used as fuel in operating the plant.

At the Irwin Creek plant the raw sewage is received directly into the aerating tanks without preliminary treatment; here the aerating and settling processes are identical with those of the Sugaw Creek plant. The excess sludge, however, is handled in an entirely different manner. It is treated with a conditioning chemical to break down its gelatinous structure and render it filterable. After being properly conditioned it is pumped to two rotary drum filters and

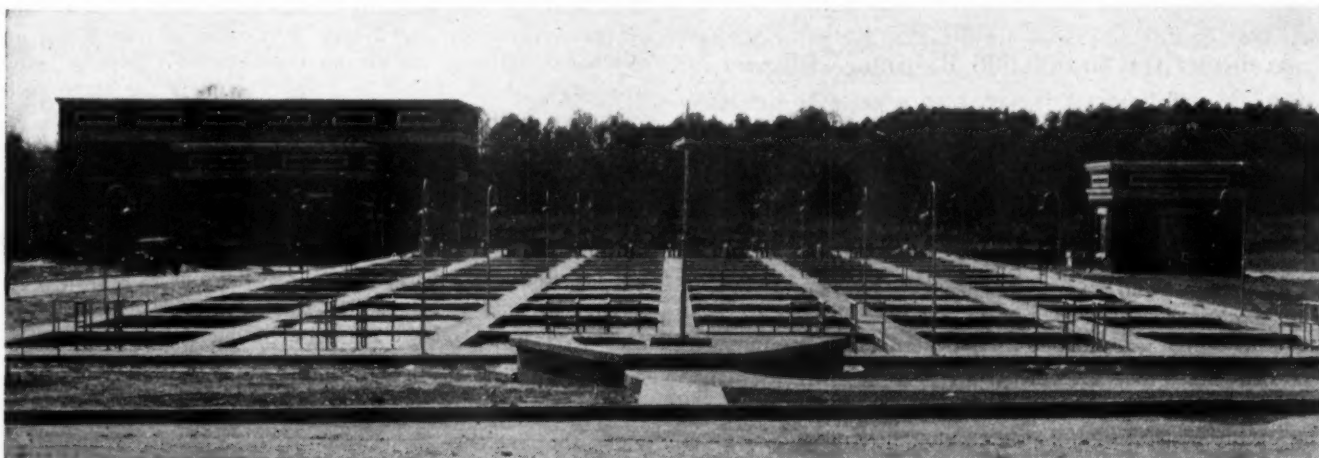
dewatered. The filter cake is a dark grayish-brown color containing about 20 per cent dry solids and has a consistency similar to putty. This cake is distributed over cotton lands for fertilizing purposes.

Both of the plants are well constructed, are thoroughly odorless, and are equipped with complete chemical laboratories for controlling the treating processes.

W. M. Piatt, consulting engineer, of Durham, designed and supervised the construction of each plant. The McClelland Company, Charlotte, were the general contractors on the Irwin creek plant, while the A. H. Gulon Company, Gastonia, were the general contractors on the Sugaw creek plant. The Harrison-Wright Company, Charlotte, did all electrical work at both plants. At each plant the Link-Belt Company of Philadelphia, furnished the mechanical settling tank equipment, the Fisher Scientific Company, Pittsburgh, the laboratory equipment and supplies and the Grinnell Company, Charlotte, the pipe, valves and fittings. At the Irwin creek plant the air compressors were furnished by the General Electric Company, Schenectady, N. Y.; the pumps by Allis-Chalmers Manufacturing Company, Milwaukee, Wis.; the meters and gauges by the Simplex Valve and Meter Company, Philadelphia, and the sludge filtering equipment by the Oliver Continuous Filter Company, New York. At the Sugaw creek plant the compressors were furnished by the De Laval Steam Turbine Company, Trenton, N. J.; the pumps by the Nash Engineering Company, South Norwalk, Conn.; the meters and gauges by the Builders Iron Foundry, Providence, R. I., and the gas holder by the R. D. Cole Manufacturing Company, Newnan, Ga.

The plants were constructed under the administration and general supervision of Robert L. Brown, commissioner of public works, and under his direction are being operated at a high degree of efficiency.

The Charlotte plant is attracting attention all over the country because of its excellence and efficiency. Delegations from widely separated localities have been sent to the city to inspect it. Recently there was a delegation of five from Chatham, N. J., headed by Paul Molitor; other recent visitors include A. A. Burger, representing George C. Hoscolgne, consulting sanitary engineer of Cleveland, Ohio; R. B. Blackwelder, of J. E. Serrine & Company, engineers, of Greenville, S. C.; A. S. Thompson, chief engineer, Milwaukee Sewerage Commission, Milwaukee, Wis., and H. E. Miller, chief engineer of the North Carolina State Board of Health.



AERATION TANKS OF IRWIN CREEK PLANT—FILTER HOUSE AND PUMP HOUSE IN BACKGROUND.

A High Tribute to President Coolidge for His Veto.

New York, May 24.

Editor Manufacturers Record:

The die has been cast by Mr. Coolidge in his veto of the most mischievous piece of legislation ever introduced in Congress. I think you will agree that Mr. Coolidge has condemned that bill in a very strong and statesmanlike manner. I have sent him a telegram, a copy of which I enclose.

I have been and am yet, as you know, continuing to work on a plan that, I believe, will meet the situation and I would like you to tell me if you think the principles involved are sound.

I believe in co-operative organization, national in scope. I believe that each of the standard farm commodities, especially the non-perishables, should be organized and marketed under farm commodity units. I believe that the stabilization of prices of standard commodities should be under the management of farm boards composed of farmers or such delegated authority as would be satisfactory to the farmer. For instance, I contend that, from a credit standpoint, 50,000 bushels of wheat, stored in elevators, insured, with all the necessary safeguards, should be regarded by the banking interest just as good for a loan as 50,000 barrels of crude oil stored in tanks. This is the general principle upon which I am thinking and others from whom I have had an expression, universally agree with me that the marketable value of the two commodities, based on their respective market prices, should be equal from a security standpoint.

B. F. YOAKUM.

Mr. Yoakum's telegram to the President follows:

"Seldom, if ever, has the Chief Executive of the Nation been twice called upon to preserve the country from the same threatened menace that would endanger the fundamental principles upon which it was founded. The people are to be congratulated on having a President brave enough to stand up, under such enormous political pressure as you have been faced with, for sound, economic laws and against unsound and dangerous theories affecting farming, our greatest industry. Following your veto of the McNary-Haugen bill the country will be deluged by writers, public speakers seeking notoriety and those who have advocated this bill for selfish reasons, crying out against your action. Advocates of such uneconomic and unworthy farm relief will learn, to their sorrow, before the November Presidential election, that the American farmer is commencing to think for himself and that Presidential candidates and their respective political parties will not have the farmer's support, based upon false and unsound theories.

"Such Presidential candidates who believe the farmer's only asset is his vote will find that farmers know that they are as capable of marketing their products as is a political board sitting at Washington. Such advocates who stand for depriving the farmer of his independent rights to conduct his own business will find, to their disappointment, that farmers do not agree with their political way of reasoning. I am speaking from personal knowledge and not reports of paid emissaries. Your firm stand against probably the greatest political pressure ever exerted at a most critical time, just before a Presidential election, adds laurels to your staunch attitude and is gratifying to the thinking farmers of the Nation."

Architect for \$3,000,000 Baltimore Library.

Clyde N. and Nelson Friz have been selected by the Municipal Architectural Commission, Baltimore, as architects for the new central building for the Enoch Pratt Free Library, at Cathedral, Franklin and Mulberry streets, to be erected out of a \$3,000,000 loan voted by the city a year ago. Edward L. Tilton and Alfred Morton Githens, New York, will serve as consulting architects. William G. Baker is president of the library trustees and Joseph L. Wheeler is the librarian.

\$700,000 Club Development Near St. Joseph.

St. Joseph, Mo.—Preliminary work has been started by the Club Enterprises, Inc., John F. Studley, president, on a \$700,000 club development on Sugar Lake, about 17 miles south of this city. The development, to be known as Club Casa Del

Largo, will be on a 460-acre island and will contain a clubhouse with private rooms, 600 lockers for men and 300 for women members, billiard rooms, bowling alleys and other facilities. Russell B. Williamson of Chicago, is architect for the buildings, which will be of Spanish architecture and of tile and stucco construction. James Faulis, of the Pioneer Golf and Landscape Company, Chicago, will design two golf courses.

New York Company to Build Two Textile Mills in Alabama.

F. H. Filley, president of the American Manufacturing Company, Brooklyn, N. Y., owner of the Victory Mills, of Victory Mills, N. Y., advises that a new corporation to be known as Saratoga Victory Mills, Inc., will be organized to establish a 15,000 spindle mill with about 500 looms at Guntersville, Ala., and that a similar mill will be established in Albertville, Ala., both in the Sand Mountain district. Robert & Company, Inc., of Atlanta are the engineers. It is understood that the General Securities Corporation of New York, and Caldwell & Company, of Nashville, Tenn., will underwrite bonds to finance the project.

The American Manufacturing Company, one of the largest enterprises of its kind in the world, is capitalized at approximately \$13,000,000 and operates in addition to the Victory Mills, mills at Brooklyn, N. Y. and St. Louis, Mo.; also the Charleston Bagging Manufacturing Company of Charleston, S. C.; St. Louis (Mo.) Cordage Mills, and the Delaware River Jute Mills of Philadelphia, Pa. It also operates a mill in Calcutta, India. Production consists of manila, sisal and jute rope, drilling cables and transmission rope: jute, American and Italian hemp twines, marine oakum, jute bagging

Building Construction Active in Daytona Beach.

Daytona Beach, Fla.—A survey of building construction under way in Daytona Beach, as made by the News-Journal of this city, indicates that the cost of improvements will reach several hundred thousands of dollars. By far the larger part of this expenditure is for residences, although hotel improvements will cost \$47,500; church, \$10,000, and apartments, \$20,000. Henry C. Rowe will build a \$50,000 residence after plans by John A. Rogers, Daytona Beach, while T. K. Apgar, local contractor, has started two \$6,000 bungalows, and E. L. King will build a home next year. Arthur Orr will build a bungalow.

The Prince George Hotel will install 15 additional bathrooms, and the Princess Issena Hotel will build additional dining room space. C. M. Griffin will build a \$15,000 apartment building after plans by H. M. Griffin, with E. R. Willey, general contractor, and Joseph P. Cowan is remodeling an apartment building, the Grahn Construction Company being in charge. A. H. Pierce is preparing plans for three residences to involve a total of \$75,000, one for Mayor E. H. Armstfong, one for Albert Brumley and the third for H. G. Marr. A \$25,000 hotel will be erected on the site of the building owned and occupied by A. B. Moore & Company, and a \$10,000 building is being erected for the Evangelical Lutheran Church, Rev. F. Raymond White, Pastor. Albert Kingston is building a \$35,000 store and warehouse. Several bungalows are under construction in the Holly Hill section. It is also reported that a \$50,000 building will be erected on Ocean Boulevard during the summer.

A seawall and boardwalk are being built on the ocean front along the Seaside Inn property and a tile wall is being built along the residence property of E. L. Johnson. In addition, small garages and apartments and additions to individual homes are being built in all sections of the city.

New \$3,500,000 Dade County Courthouse and Miami City Hall.

Construction of the \$3,500,000 building in Miami, Fla., for the Dade County Courthouse and Miami city hall has practically been completed. The building is of pyramid construction, the first four floors being 165 feet square, with a promenade deck at the fourth floor and the building line from the fourth



28-STORY COURTHOUSE AND CITY HALL, MIAMI.

to the seventh floor, 135 feet square. From the seventh floor level to the twentieth, the tower portion of the structure is 75 feet square and at the twentieth floor it is octagonal in shape with a promenade on the twenty-fourth floor for the use of prisoners. The building is 28 stories high, the top

floor being used for a water tank and mechanical equipment.

Granite was used for the base of the building with granite terra cotta above, the steel frame resting upon heavy off-set foundations and floor construction being of tile and concrete. Steel windows have been installed throughout and marble and tile have been used extensively in floor covering, while metal doors and frames have been installed at all points where durability and fireproof features are desirable.

The basement is 15 feet high and provides storage space for automobiles, toilets, rest rooms and machinery room. The lower floors are used for departments of the city and county and the fourth, fifth and sixth floors for the courts, while the tower section has been assigned to various city and county departments and to the city and county jails. The first six floors are served by four Otis elevators, with four additional elevators serving the structure; two of these stop at the thirteenth floor and two others at the twenty-fourth floor. In addition there is a prison elevator running from the nineteenth to the twenty-fifth floor.

A. Ten Eyck Brown of Atlanta is the architect, and August Geiger, Miami, associate architect. L. W. Hancock of Miami, is general contractor and the Fleisher Engineering & Construction Company, Miami, has contract for interior work. Among the major sub-contracts are the following:

Architectural terra cotta—Atlantic Terra Cotta Company, New York.
Barrett roofing—Bohnert Sheet Metal & Roofing Company, Miami.
Cement, lime and other supplies—I. E. Schilling Company, Miami.
Electrical work—Whitmore Electric Company, Charleston, W. Va.
Elevators—Otis Elevator Company, New York.
Elevator doors—John Polachek, Long Island City, N. Y.
Finishing hardware—Walraven Company, Atlanta.
Fixtures—American Electric Company, Miami.
Floor tile—National Fire Proofing Company, Pittsburgh, Pa.
Hollow metal doors—Dahlstrom Metallic Door Company, Jamestown, N. Y.
Interior marble—Georgia Marble Company, Marietta, Ga.
Jail work—Stewart Iron Works Company, Cincinnati, Ohio.
Kitchen equipment—Tampa Hardware Company, Tampa.
Mail chute—Cutler Mail Chute Company, Rochester, N. Y.
Millwork—Louisville Builders Supply Company, Louisville, Ky., and The McClelland Company, Davenport, Ia.
Ornamental iron and bronze—Newman Manufacturing Company, Cincinnati, Ohio.
Painting and decorating—William Wilson Company, Atlanta, Ga.
Plastering and stucco—C. Ed DeBrauwere, Miami.
Plumbing—W. C. Burns, Maysville, Ga.
Reinforcing steel—Louisville Builders Supply Company.
Slate paving—F. C. Sheldon Slate Company, Granville, N. Y.
Structural steel—Nashville Bridge Company, Nashville, Tenn.
Tile promenade and sidewalk—East Coast Tile Company, Miami.
Windows—Crittall Casement Window Company, Detroit, Mich.

Railroad Men to Meet.

Important topics and addresses are slated as outstanding features of the thirty-fifth annual convention of the American Association of Railroad Superintendents, to be held June 12 to 16 in Memphis, at the Hotel Peabody. Among the subjects to be discussed are: Long engine runs, economical train load, best methods for promoting safety, careful handling of freight, to avoid damage; public relations between railroads and shippers, and increasing the average net tons per car. The list of speakers include R. H. Aishton, president of the American Railway Association; L. A. Downs, president of the Illinois Central; J. Hutchinson, president of the Frisco; R. B. Pegram, vice-president of the Southern, and other prominent railroad men.

50-Mile South Carolina Rail Line Proposed.

A newly organized corporation, the Atlantic & Northwestern Railroad, recently made formal application to the Interstate Commerce Commission for authority to construct a 50-mile line in South Carolina. The proposed line will extend from Mt. Pleasant, across Charleston Harbor from Charleston, thence to McClellanville, a distance of 32 miles; thence

northwestwardly a distance of 18 miles to Jamestown, a point on the main line of the Seaboard Air Line. Funds for construction of the proposed line will be derived from the sale of stocks and bonds.

Refinancing Plan Under Way for Coral Gables.

The Miami Herald reports that Marcus A. Milam, chairman of the Mortgage-Holders Creditors Committee, Coral Gables, hopes to have refinancing plans completed by August 1. If refinancing arrangements are carried out the plan will include a new corporation possessing all of the former corporation's assets freed, and debt free, except for the \$10,000,000 worth of bonds which it is proposed to issue bearing interest from August 1. It is proposed to settle \$30,000,000 of indebtedness with this \$10,000,000 worth of bonds, together with some common stock.

Under the plan, according to Mr. Milam, 35 per cent of the face value of the mortgage-holders' claims could be met, the new corporation to pay off in cash 12½ per cent for taxes and 13 per cent in cash to relieve the property of the improvement liens. Therefore, in all about 60 per cent of the face value of the claims would be paid.

IRON, STEEL AND METAL MARKET

Steel Production Declines.

Pittsburgh, May 28—[Special.]—Production of steel is now tapering off in a decidedly noticeable way, the familiar seasonal decrease coming somewhat later than usual. Production is now at about 80 per cent of capacity, against an average in March and April of 89 per cent, making a 10 per cent decrease to date. Production would have to decrease 15 per cent more to get down to the rate of last July, so that there are strong chances production will continue above the rate of a year previous. The political campaign may perhaps divert the course from the present prospect.

Mills are now near the end of their backlog tonnage in rails, as annual orders are customarily arranged for deliveries during the first half of the year. There are no backlogs of consequence in other lines, and mill shipments have lately come to depend chiefly upon current orders, which are numerous but are for small tonnages individually, buying being for prompt delivery only. Total bookings in the past week have been somewhat under the shipments.

Total production of automobiles, passenger cars and trucks, in the United States and Canada in April is officially reported at 434,188, representing a slight gain over the March total, but an increase of 11 per cent in the daily rate, there being two less working days in the later month. Gains this year over last have been small, while last year ran under the preceding year. Recent production has been complicated by the change in Ford model, which curtailed last year's production. A comparison of production in twelvemonth periods through April confines this disturbance to the last year, as model T production did not cease until the end of last May. Such comparison shows production of 3,582,788 in the 12 months to May 1, 1928, against 4,300,439 a year earlier and 4,667,878 two years earlier, whereby it would appear the peak of automobile production was passed a couple of years ago, until a fresh start is made.

Fabricated structural steel lettings decreased 9 per cent from March to April. Lettings in the first three months ran well ahead of those a year previous, but for the four months they are only 3 per cent ahead of the same period last year, while lettings have run consistently light for several weeks to date, suggesting that the half year will be under the first half of last year.

Railroad buying has been running decidedly light, and there is less demand for oil country tubular goods than last year, although that year was well under 1926.

Thus in the past two years the steel industry has lost business with the automobile trade, the railroads and the oil and gas fields, yet its total tonnage has increased slightly. There are gains in other directions that make up, the conspicuous one being with the agricultural implement trade while there is no doubt that numerous small lines, which cannot be scrutinized individually, have increased their steel consumption. Tin plate is an illustration. Although the packs of fruit and vegetables were much lighter last year than in 1926, total tin plate production was off only 6 per cent, there being an increase in miscellaneous or "general line" consumption. Normal packs are expected this year, and record high production of tin plate.

Prices are a trifle weak in some finished steel lines, particularly sheets and strips, where there is a complicated state of competition. Bars, shapes and plates are the outstanding case of mills having succeeded in advancing prices in the last few months, as the market is firm at 1.85c, Pittsburgh, and contract deliveries are chiefly at that figure, while in December and January deliveries were at 1.75c and even less. Chances are a further advance will be announced shortly,

making the third quarter price 1.90c. Wire nails are quotable at \$2.55 to \$2.65.

Bessemer and basic pig iron at valley furnaces have dropped 50 cents, being now at \$17 and \$18, respectively. Heavy melting steel scrap is slightly easier.

Metals Rise to Higher Levels.

New York, May 28—[Special.]—New high levels have been reached in the prices of some of the metals the past week. In the case of copper and silver the highest quotations since the fall of 1926 were received by sellers. Zinc forged ahead another \$2 per ton, making a total advance of \$15 per ton from the low point of the year.

Most of the metals which did not improve in price at least bettered themselves in statistical position, this particularly applying to lead, stocks of which have been reduced materially in both the hands of producers and users. Tin was selling at levels about 1 cent per pound under the preceding week. The most drastic decline has taken place in antimony which is selling now at under 11 cents per pound following the boom which started at the beginning of hostilities between China and Japan.

It is the Far Eastern trouble which has boosted the price of silver which was selling at over 63 cents per ounce late in the week. This is 7 cents per ounce higher than the average price over many months previous to the recent boom.

The situation in the metals has been aided by a stock market which will not be downed despite the frowning of many sober economists on the present rampant speculation on the part of the general public. Activity in the automobile production field is holding up much better than had been expected for this season and thousands of tons of the metals are being consumed there, particularly lead, tin and copper. A new field which should receive at least passing mention is the rapid growth in air transportation, which is affording a good outlet for metals, both ferrous and non-ferrous.

Copper has been engaging just as much attention as during the past several weeks. New records are being established. Sales for export have been the largest for any three weeks in the history of the industry, probably amounting to 75,000 tons. It is probable that export sales for May as a whole will be a new high in the history of Copper Exporters, Inc., now a year and a half old. Export sales for this month will probably have exceeded domestic sales, which is a novel division of order. By the end of the week the domestic price of copper was 14¾ cents per pound, the export quotation being 15 cents c. i. f. European ports. A week ago it was difficult to buy copper for June shipment. By now it is getting difficult to buy for July delivery. Moreover the Far East has been purchasing just as heavily in proportion as has Europe. Another sharp reduction in surplus stocks probably took place during May.

Zinc at one time during the week was at 6.15 cents per pound, East St. Louis, though later this price yielded a trifle. Zinc ore has been marked up another \$1 in the tri-State district, or to \$40 per ton. Ore operators have been keeping production well in check. Lead was quiet in the main. All producers in the Middle West abandoned the former price in favor of 6.05 cents East St. Louis. The American Smelting & Refining Co. is now quoting 6.20 cents per pound, New York. Consumers have started to buy for June delivery on a liberal scale. When the tin price dropped to 51½ cents per pound for prompt delivery consumers came into the market on a fairly generous scale, yet the market lacked the punch which usually surrounds it.

Pig Iron Sales in Small Lots.

Birmingham, Ala., May 28—[Special.]—Small-lot selling policy on the part of pig iron melters continues. Sales are numerous still, although the aggregate recently has not been as strong as previously but furnace interests see the probable make for June fairly well covered and indications that the remainder will be absorbed. Quotation base remains at \$16 per ton, No. 2 foundry, reports from other sections of concessions on price have not brought out a changed condition here. There was a willingness to show actual contracts when verification was sought on a report that 50 cents had been allowed on the base price. Production of iron has not been interfered with much.

Many of the shops melting pig iron are going well and shipment of the various products is steady. Cast iron pressure pipe shops are making pipe in quantity, the estimate being that production is around 80 per cent capacity. Lettings recently have added to the unfilled tonnage to be delivered during the next 90 days. Quotations for pressure pipe have strengthened considerably in the past few weeks, sales, in small lots, having been made at a \$33 per ton base, six-inch and over sizes. The minimum base is given at \$31. The surplus stock of cast iron pipe has been materially reduced and there must be steady production. Soil pipe production is only fair, the market not being as profitable. Other industries employing pig iron are doing fairly well. Radiation equipment is being produced actively, the shop at North Birmingham operating every day in the week except Sunday, with shipments equal to the output.

Easing off in the steel line generally has not affected the industry as a whole to any great extent in this district. Demand is good for many shapes and operations in a few instances are on double turn, day and night. Despite foreign competition, manufacturers of cotton ties are looking forward to a good trade; Connors Steel Company has been producing on double turn, Tennessee Coal, Iron & Railroad Company is also a producer of ties. Plate and sheet are in fairly good demand. Rail making is not as brisk as it has been. Small shapes of steel are moving steadily; structural steel fabricators are still depending on small contracts from local territory. Many developments throughout this territory, including power plants, cotton mills, other plants and shops are using a little steel in construction work. Reinforced steel is also being called for in small quantities.

The coal trade is very quiet and average operation of mines in this State is hardly four days a week. Some few of the larger mines are producing four and five days but the greater number are on two and three days. Coke has been in fairly good demand for some time. Foundries are using much coke while foundry coke is still being shipped from the district. Foundry coke base is from \$4.50 to \$5.

Quotations on scrap iron and steel have caved in. With but one or two exceptions there has been some easing down on prices of the various commodities. Heavy melting steel is down to \$10 and \$10.25, delivered in the district. There is a plentiful supply of old material.

Quotations for pig iron and iron and steel scrap follow:

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.50; iron of 2.75 to 3.25 per cent silicon, \$17.00; iron of 3.25 to 3.75 per cent silicon, \$17.50; charcoal iron, f. o. b. furnace, \$29.00.

OLD MATERIAL.

Old steel axles	\$17.00 to	\$17.50
Old iron axles	17.00 to	18.00
Old steel rails	11.50 to	12.00
Heavy melting steel	10.25 to	10.75
No. 1 cast	14.00 to	14.25
Stove plate	13.50 to	14.00
No. 1 railroad wrought	9.50 to	10.50
Old car wheels	12.00 to	13.00
Old tramcar wheels	12.50 to	14.00
Machine-shop turnings	8.00 to	9.00
Cast-iron borings	8.00 to	9.00
Cast-iron borings (chem.)	13.00 to	13.50

TEXTILE

Large Hosiery Mill for Burlington—\$250,000 Dyeing and Finishing Mill Also Under Way.

Burlington, N. C.—The B. V. May Hosiery Mills, Inc., of this city, announce the immediate construction of a new mill to ultimately cost \$1,000,000 for the production of full fashioned hosiery. Initial construction will cover a one-story brick building, mill type, saw-tooth roof, the first unit to be 110 by 86 feet, with the back wall so placed that additions may be added as fast as machines can be installed. The completed building will be 110 by 250 feet, to house 75 machines, while the first unit will accommodate 8 or 10.

As announced several months ago, this company awarded contract to the Burns-Hammond Construction Company, Greensboro, to erect a dyeing and finishing mill, for which J. E. Sirrine & Company of Greenville, S. C., are the engineers. This unit, on which work is progressing, will cost more than \$250,000.

American Enka Corporation Chartered—May Build Big Rayon Plant in Virginia.

Richmond, Va.—Papers of incorporation have been granted the American Enka Corporation, controlled by the Enka Artificial Silk Corporation of Holland, with an authorized capital stock of 500,000 shares of common stock of no par value, of which 400,000 shares will be issued at once. It is understood that the new company has leased through Thoens & Flaunlacher, Inc., of New York, space at 114 East 32nd street, in that city, for its general offices.

As previously announced, the Enka interests plan the construction of a big rayon plant in the South and have recently secured options on a site east of Richmond on the James River, and on property on the south bank of the river, with a view to their utilization as plant sites.

New York Company May Move Mills South.

Mobile, Ala.—Reports state that the Union Mills Company, operating cotton mills at Catskill, Herkimer, Hudson, Mechanicsville and Johnsonville, N. Y., will move eight plants to Alabama and will maintain headquarters at Mobile for a selling organization for the United States, Canada and foreign countries. Machinery to be brought South will include two paper box plants, 15 sweater machines, 125 sleever machines, 880 knitting machines, 1081 sewing machines, 51 wool cards and 12,540 wool spindles. It is understood that the availability of raw material, supply of labor and lower power rates are important factors in the company's plans to move to Alabama, and towns of the State have been invited to submit proposals for the location of the mills which will manufacture cotton and rayon underwear, sweaters and bathing suits.

To Establish Four Mills for Silk Hosiery Yarns.

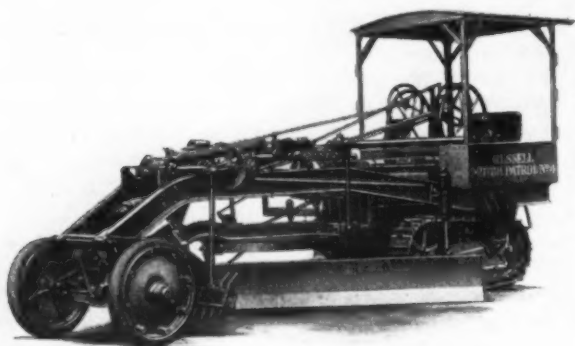
J. J. Redyke, Clearwater, Fla., advises that he has secured a Delaware charter for the Southern Silk Yarns Corporation for the manufacture of all kinds of silk yarns for the hosiery, knit goods and weaving trades. The company plans to build its first unit at Oxford, N. C., to operate exclusively on high grade hosiery yarns, with a capacity of about 2000 pounds per week. This unit will probably operate as the Oxford Silk Yarns Company and will be a subsidiary of the Southern Silk Yarns Corporation, which is capitalized at \$500,000. It is planned to establish four units in the Carolinas and machinery orders are expected to be placed soon.

NEW AND IMPROVED EQUIPMENT

1928 Model Russell Motor Patrol.

Russell Motor Patrol No. 4, is powered with a two-ton "Caterpillar" tractor and No. 3 is powered with a 10-20 McCormick-Deering tractor; Russell also builds two other models for the Cletrac and Fordson tractors. The 1928 model Russell motor patrols show improvements as follows: Compensating spring lift; main circle reinforced; large universal connection at front of drawbars, to eliminate all play; grip lock nuts on all bolts $\frac{3}{8}$ inch to $\frac{7}{8}$ inch, inclusive, that will not come loose from vibration; heavy channel frame, 8 inch, $21\frac{1}{4}$ pounds per foot; enclosed machined cut gears for blade and scarifier lift; ball and socket connections, and moldboard reinforced by two angle irons. The scarifier is independently adjustable and is controlled from the operator's platform. The front wheels are 32x5 inches, with extra wide axle to accommodate the larger wheels.

There are bronze bushings and bronze collars for worm shafts; there is the take-up bearing in the forward lifting arm bracket; the center shift is operated by a worm and gear through a rack and pinion; circle play is eliminated by means of a screw clamp in circle brackets; machined worm gear



NO. 4 MOTOR PATROL.

steering control steers as easily as any truck; Alemite lubricating system is used throughout; Timken bearings are used in front axle; a side crank for tractor is furnished as regular equipment, and a steel cab that may be entirely enclosed.

The Russell can be made an all year machine by the addition of a Russell snow plow attachment. The weight of the motor patrol No. 4, complete with tractor and scarifier attachment, is 12,500 pounds, and of No. 3 is 12,550 pounds. The manufacturers are the Russell Grader Manufacturing Co. of Minneapolis, Minn.



TRUCK EQUIPPED WITH HOIST AND DUMP BODY.

Fifteen-Ton Creeper Wheels.

Creeper wheels are a track-laying unit, built to creep over the top of mire and mud, hills and hollows, without digging in. Since they lay their own track as they creep along, they are not dependent on roads, but creep over stones, holes, mounds, stumps, roots, refuse, etc. The Creeper Wheel Company, Reading, Pa., states that after its creeper



THE CREEPER WHEELS AT WORK.

wheels have passed over the earth several times, they make a road where previously none existed.

The company's product of the 15-ton capacity is the heavy duty unit, designed and built for rugged wear. The creeper wheels are so flexible that they can be moved by a push of the hand, due to simplicity of design and construction in the track and the use of roller bearings. They have few wearing parts and no parts such as intermediate rollers, guides, sprockets, etc., to become clogged with mud. The length overall of the 15-ton capacity creeper wheel is 72 inches, the width overall is 26 inches and the height overall is 34 inches; the width of track is 20 inches and the wheel base is 38 inches. They are manufactured in 4-ton, 6-ton, 10-ton and 15-ton capacities.

Ford Truck With Hydraulic Hoist.

The Model AA Ford chassis may now be had equipped with a power operated hoist of the new G-1 type, as manufactured by the Wood Hydraulic Hoist & Body Co. of Detroit. It is said to dump its load in from four to six seconds, with a dumping angle of 60 degrees. Mounting height is exceptionally low, state the manufacturers, and short overhang of body back of hinge provides for maximum ground clearance, allowing free discharge of load when dumping.

With the G-1 Hi Speed hoist is the type C-4 steel dump body, and the type C-28 steel garbage body. The J-1 All Purpose body or the type C-special coal body may be used, thus allowing a wide range of power operated dump equipment. Contractors, coal dealers, road builders and others will appreciate the adaptability of this dump unit, its convenience in handling, flexibility and economical operation. Pay loads up to two cubic yards may be handled.

The construction of the G-1 hoist and steel dump bodies for the Ford Model AA chassis is held to the same standards as the entire Wood line.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Fla., DeFuniak Springs—American Legion acquired site; construct airport.

Fla., Orlando—City Commrs. receive bids June 13 for airplane hangar. See Want Section—Bids Asked.

Fla., Tallahassee—City Comm. authorized Wm. R. Galt, Mgr., to purchase 200-acre site, Jackson Bluff Rd.; will construct airport; erect hangar, service repair station.

Ga., Macon—City acquired 249 acres, Miller field, for airport.

Ky., Danville—Chamber of Commerce, Geo. Rue, Chmn., plans establishing airport on Lancaster Pike, 1½ mi. from Danville.

Mo., Carthage—Carrothers Air Port, Inc., incorporated; O. L. Carrothers, 605 Howard St.

Mo., St. Louis—Von Hoffman Aircraft Co., 105 S. Ninth St., erecting 2 brick and steel hangars, 20x80 ft., at St. Louis Municipal Airport; B. Russell Shaw Co., Inc., Engr., 4016 Lindell St., for hangars; also supervising construction of airport for city. 5-10

Mo., St. Louis—Robertson Aircraft Corp., St. Louis Flying Field, increased capital from \$500,000 to \$1,000,000.

Mo., St. Louis—Transcontinental Air Transport, Inc., C. M. Keys, Pres., Natl. Stk. Yards, will have headquarters at St. Louis, for air-rail passenger service which will extend from New York to Los Angeles, operation to start soon; company authorized to issue 1,000,000 shares of stock, only 500,000 shares are being issued at present.

Okla., Enid—Red Bird Aircraft Corp., Bern, Kan., considers establishing airplane factory.

Tex., Austin—City voted airport bonds. See Financial News. 3-29

Tex., Galveston—City purchased 160 acres on Alvin Highway for municipal airport. 4-19

Tex., Wichita Falls—Braden Steel Corp., 3 N. Madison St., Tulsa, Okla., has contract for constructing airplane hangar and erecting municipal airport, 82x116 ft. 2-23

Va., Richmond—National Capital Airways, Inc. of Richmond, incorporated; K. C. Wood, Lombardy and Marshall St.; will operate airplane passenger line.

Va., Richmond—City, J. Fulmer, Mayor, may construct municipal airport.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Mobile—Mobile County plans conc. bridge over Three Mile Creek. Telegraph road; J. B. Converse, Highway Engr.

Ala., Tuscaloosa—State Highway Comm., Montgomery, plans Sipsey River Bridge, Buhl to Elrod, Tuscaloosa County.

Fla., Fort Myers—War Dept. approved plans Lee County Commrs. for bridge over Matanzas Pass, near Punta Risa, under State law.

Ga., Valdosta—Lowndes County Commrs. Roads and Revenues, will build 3 bridges over Withlacoochee River, by force account: One 240-ft.; two 96-ft.; 18-ft. roadway; 24,000 cu. yd. filling, 83,426 ft. B. M. creosoted timber; sand-clay approaches; \$22,000; Kay N. Saurbrey, Engr. 5-24

Kentucky—State Highway Comm., Frankfort, plans constructing, maintaining and operating 5 bridges across Cumberland River: At or near Burkesville, Arat, both Cumberland County; Center Point, Monroe County; Creelsboro, Russell County; Burnside, Pulaski County.

Kentucky—See Roads, Streets, Paving.

Kentucky—State Highway Comm. plans

constructing, maintaining, operating 7 bridges: Russell County—across Cumberland River, at or near mouth of Indian Creek; across Tennessee River, at or near mouth of Clarks River; across Cumberland River, Canton; across Cumberland River, Smithland; across Tennessee River, Eggners Ferry; Pulaski County—across South Fork, Cumberland River, Burnside; Cumberland County—across Cumberland River, Neelys Ferry.

Ky., Henderson—Caldwell & Co., Nashville, Tenn., reported, will finance \$3,000,000 bridge across Ohio River, to be built by Henderson-Ohio Bridge Co. 5-3

Ky., Lexington—Fayette County, Col. W. H. Edwards, County Road Engr., prepared plans for overhead conc. bridge over Chesapeake and Ohio R. R. tracks on proposed highway, through Kenwick residential subdivision, connecting Richmond pike with Liberty road; 50-ft. wide, 22-ft. high in clear, above tracks; \$10,000.

Ky., Louisville—Louisville Bridge Comm., Wm. Black, Chmn., plans letting contract for steel work on and approaches to Ohio River Bridge, Louisville to Jeffersonville, Ind.; Ralph Modjeski, 121 E. Thirty-eighth St., New York, and Frank M. Masters, Keystone Bldg., Harrisburg, Pa., Associate Engrs. 5-24

Miss., Merigold—State Highway Dept., Jackson, receives bids June 11 to widen 16-ft. clear span flat slab conc. bridge in Merigold, 10 ft. on each side; 3000 lb. rein. steel.

Mo., St. Louis—Wabash Ry. Co., R. H. Howard, Ch. Engr., St. Louis, will erect \$89,000 double-track viaduct over Broadway, north of Calvary Cemetery.

Okla., Anadarko—Caddo Parish Police Jury plans 5-span 86-ft. rein. conc. Cedar Creek Bridge near Cement, \$35,000; C. Riggins, Engr.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans bridge at Exchange Ave.; William W. Small, City Engr.

Miss., Quitman—Clarke County Bd. of Supvrs. receives bids June 9 for conc. culverts in Enterprise.

Tex., Cameron—State Highway Comm., Austin, plans conc. culverts on Millam County highways; replace drainage dips; A. F. Mitchell, County Engr.

Tex., Dallas—City, M. G. James, Sec., and Dallas County, plan steel span Trinity River Bridge, Cadiz road, \$35,000.

Tenn., Del Rio—Dept. of Highways and Public Works, Nashville, plans bridge across French Broad River, Newport-Asheville road, N. C., near Del Rio, Cocke County.

Tex., Port Arthur—W. L. McKee plans constructing and maintaining 6 mi. causeway across Lake Sabine, connecting Port Arthur with Cameron Parish, La.; piling, asphalt topping, \$1,500,000. 3-1

Tex., Fort Worth—City, E. O. Carr, Mgr., will let contract in Aug. for Lake Worth bridge; \$350,000 available; Dudley Lewis, City Engr.

Tex., San Antonio—City plans \$150,000 bridges. See Financial News.

Virginia—See Roads, Streets, Paving.

Va., Halifax—Halifax County Bd. of Supvrs. authorized 2 bridges; \$15,000 Dan River Bridge, between Sutherland Station and Dellah, receives bids June 18; steel 400-ft. long, 12-ft. driveway; E. C. Lacy, Clk.

W. Va., St. Albans—War Dept. approved plans St. Albans-Nitro Bridge Co., J. V. R. Skinner, for \$750,000 bridge over Kanawha River, Third St., under State law. 3-8

Contracts Awarded

Arkansas—State Highway Comm. let con-

tracts for 7 bridges and earth embankment approaches. See Roads, Streets, Paving.

Ark., Pocahontas—State Highway Comm., Little Rock, let contract to Pioneer Construction Co., Glover Bldg., Kansas City, Mo., \$172,583, for 1504-ft. rein. conc. and steel bridges, Highway 67, Pocahontas-Current River road. 5-10

Fla., Miami—Bethlehem Steel Co., Bethlehem, Pa., has contract to furnish 409,500 lb. steel sheet piling for 3 bridges over Miami River. 5-3

Miss., Enterprise—Clarke County Bd. of Supvrs., Quitman, let contract to W. L. Bounds, Shubuta, \$14,456, for steel Chickasawhay Bridge. 4-26

Mo., Warrenton—State Highway Dept., Jefferson City, let contract to J. P. Sparks, Kirkwood, \$18,000, for conc. bridge, Highway 47, over Wabash right of way, north of Kessler Hall.

N. C., Greensboro—Burns-Hammond Construction Co. has contract for 4 conc. box type culverts, Yaquina, Dillard, McIver St., Silver Ave.

Oklahoma—State Highway Comm. let contracts for bridges. See Roads, Streets, Paving.

Okla., Newkirk—Kay County Commrs. let contract to Southwestern Construction Co., Ponca City, \$15,477, for 4 bridges, spillway, and 22 culverts on Newkirk-Osage County Highway; O. A. Lund, Blackwell, for bridge over Bois d'Arc Creek.

S. C., Charleston—H. M. Byllesby & Co., Inc., Chicago, Ill., Spencer Trask & Co., New York, E. H. Rollins & Sons, Boston, Mass., offering 46,300 shares of Cooper River Bridge, Inc., John P. Grace, Pres.; contracts let for toll bridge to be built across Cooper River, \$5,500,000 to \$5,750,000. 4-26

Va., Covington—Boxley Brothers, Orange, has contract for 400-ft. steel Chesapeake and Ohio Ry. Bridge, across Jackson River, Potts Creek Branch, to property of Industrial Rayon Plant; three 100-ft. and two 50-ft. spans; \$100,000.

Va., Lynchburg—City, R. W. B. Hart, Mgr., let contract to Whitaker & Garbee, Lewisburg, N. C., \$14,000, for 2 rein. conc. bridges in city.

Canning and Packing Plants

Fla., Haines City—Gentile Bros. Packing Co., erect brick cold storage, and hollow tile citrus canning plant; cost of buildings, \$100,000.

Clayworking Plants

Alabama—Southern Cities Supply Corp., Bankers Bond Bldg., Birmingham, Delaware corporation, offering 150,000 shares Class A no par value and 150,000 shares Class B no par value through Howard-Forest & Co., Inc., 25 Broad St., New York; company owns and operates brick plants at Fox Station, on Warrior Southern Rwy., 30 miles west of Birmingham; proceeds to be used to increase capacity of plant, acquire additional property, purchase barge fleet now operating on Warrior River consisting of 4 western type tow boats and 35 steel and wood barges.

Ala., Sayreton—Birmingham Clay Products Co., Woodward Bldg., Birmingham, acquired McMillan Clay Products Co.'s plant including 143 acres land; capacity 70,000 building brick daily. 5-24

Tex., Houston—Houston Brick Co., Frank D. Conklin, erecting first unit of brick plant, foot Oliver St.; cost \$30,000; 80x100 ft., corrugated iron; also frame office building.

Coal Mines and Coke Ovens

Alabama—DeBardeleben Coal Corp., Southery Ry. Bldg., Birmingham, offering \$3,250,000, first (closed) mortgage 6% gold bonds, through Drexel & Co., Cassatt & Co., Graham, Parsons & Co., all Philadelphia, Pa.; company owns in fee mineral rights to over 98,000 acres of bituminous coal lands in heart of Warrior Coal Field, near Birmingham. Ala.; have capacity of about 1,800,000 tons annually; general markets for coal are Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Missouri and Tennessee; proceeds will be used to provide funds for retirement on July 1, 1928, all of existing issue of first mortgage 6½% Serial Gold bonds of corporation for other corporate purposes.

Ala., Birmingham—Cane Creek Coal Mining Co., 2124 Fourth Ave., S., expending about \$200,000 at old Bankhead mines, install steel tipples, screening plant and coal washer.

Concrete and Cement Plants

Fla., Tampa—Burton Cast Stone Co., Inc., Rome and Arch Sts., erect plant addition. 5-17

W. Va., Clarksburg—Builders Supply and Equipment Co., Boyd Fleming, Pres., acquired Biddle Concrete Co., Peck St., Clarksburg and Parkersburg.

Cotton Compresses and Gins

La., Springhill—Springhill Gin Co., Inc., capital \$30,000, incorporated; E. N. Payne, M. T. Browning.

Miss., Slate Springs—D. V. Mallory, Calhoun City, and Jim Phillips, Slate Springs, incorporated company; erect cotton gin; machinery purchased; operate by electric power furnished by Inland Utilities Co., 1310 Liberty St., Kansas City, Mo.

Okla., Coopersville—Farmers Co-operative Gin, C. E. LeBerge, Pres., will erect cotton gin; install five 80-gin stands; frame and sheet iron, conc. floors, iron roof; cost of building and equipment \$35,000; will build by day labor. See Want Section—Building Materials.

Okla., Cordell—Farmers Co-operative Gin Co., J. C. Wisner, Pres., erecting 140x108 ft. cotton gin, frame and corrugated iron; conc. floors; iron roof; Will Duke, Constr. Engr.; Continental Gin Co., 3515 Elm St., Dallas, Tex., and A. R. Pannell Mch. Co., Cotton Exch. Bldg., Oklahoma City, Mch. Contrs.

Okla., Mountain View—Farmers Gin, Incorporated; John F. Ferrell, Lewis Miller.

Tex., El Paso—El Paso Compress and Fumigating Co., H. L. Birney, Pres., 503 E. Overland St., acquired compress building, will not erect new building as lately noted. 5-29

Tex., Shiro—W. S. Davis & Bro., erect cotton gin; install modern machinery.

Drainage, Dredging and Irrigation

Fla., Key West—U. S. Engr., Jacksonville, Fla., receives bids June 25 for dredging rock from Key West harbor, Fla. See Want Section—Bids Asked.

Miss., Ripley—Comms. of North Tippah County Drainage Dist., receive bids June 1 for 28,000 cu. yds. dragline excavation. See Want Section—Bids Asked.

Tex., Weslaco—City let contract to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, for eliminating canal through city; and to J. W. Dain, Weslaco, for back filling; Ben T. Sanders, Engr. 4-26

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Huntsville—City plans extension white way system.

Ark., Blytheville—City granted 20 year franchise to Arkansas-Missouri Power Co., Farmers Bank and Trust Co. Bldg., maintain and operate electric light and power plants.

Ark., Gurdon—Arkansas Power and Light Co., Little Rock, constructing 33,000-volt line from Gurdon to Camden.

Fla., West Palm Beach—H. E. Rice, Chmn., Lighting Comm., interested in installation white way system, Northside section.

Ky., Lexington—Stockholders of Lexington Utilities Co., Main and Broadway, voted to increase capital stock of company, \$5,100,-

000 to \$5,250,000; increase in stock to be used for improvements and current expenditures. 5-10

Louisiana—Louisiana Power and Light Co., 2 Rector St., New York, will probably extend high power lines to Ferriday and Vidalia.

Md., Baltimore—City, Dept. of Public Works, Bureau of Mechanical-Electrical Service, Lighting Div., will install 45 ornamental 600 candle power, form No. 9 Novalux lamps on Baltimore St., from Fremont Ave. to Gilmore St. 5-24

Md., Love Point—Love Point Light and Power Co., Incorporated; Charles F. Hensel, Love Point; Harry C. Reynolds, Queenstown.

Miss., Corinth—City plans installing white way system.

Miss., Greenville—City, Guy Drew, Clk., let contract to Burns-McDonnell & Smith Engr. Co., 402 Interstate Bldg., Kansas City, Mo., for preliminary survey in reference to building for light and power plant. 5-24

Miss., Meridian—City soon let contract for furnishing fixtures for business district white way; Mississippi Power Co., Gulfport, will expend \$30,000 for installing white way and rearranging wiring in business district.

Miss., Myrtle—Mississippi Power and Light Co., Jackson, reported, establish electric plant.

Mo., Campbell—City receives bids June 5 for 1-story power plant; \$40,000; A. C. Moore, Const. Engr., Joplin National Bank Bldg., Joplin.

Mo., Jefferson City—Citizens' Public Service Co., Incorporated; Gerald Hartwell, Chicago, Ill.; A. E. Miller, 610 LeLand St., St. Louis.

Mo., Stanberry—City plans building electric plant.

Mo., St. Louis—Woermann Const. Co., Syn. Trust Bldg., has contract for switch house for Laclede Power and Light Co., 11th and Locust Sts.; \$40,000.

Mo., St. Louis—Rogers-Schmitt Wire and Iron Co., 1815 N. 23d St., low bidder at \$13,950 for stairs and walk in Municipal Service Bldg. 5-10

N. C., Sparta—George Cheek and R. F. Crouse, representing Town Council negotiating with Smith and Lawrence (representing Ohio development company) for improvements to light and power system; Ohio company planning to build high tension power line connecting number of towns in northwestern Carolina, including Sparta, Roaring Gap, Jefferson, Boone and Blowing Rock; rebuild local power plant.

Okla., Durant—City will extend white way system on Main and N. Third Sts.

Okla., Elmore City—Oklahoma Gas and Electric Co., Oklahoma City, reported, acquired electric light and power plants at Elmore City and Calera.

Texas—Texas-Louisiana Power Co., Fort Worth, are offering through Pynchon & Co., Howe, Snow & Co., Inc., R. E. Wilsey & Co., Inc., and Troy & Co., Inc., all of New York, \$1,700,000 15 yr. 6% sinking fund gold debentures, Series A, due March 1, 1942, and an additional issue of \$1,000,000, of 7% cumulative preferred stock. 5-10

Va., Staunton—City, reported, considering sale of light plant to Virginia Public Service Co., Charlottesville.

Fertilizer Plants

Ala., Troy—Alabama Warehouse Co., Inc., 17 Coosa St., Montgomery, acquired Wiley Fertilizer Co.'s holdings at Troy; will operate.

Fla., Tampa—Gulf Fertilizer Co., 36th St., let contract to The Austin Co., Cleveland, O., for \$165,000 plant on site of present building; conc. and steel; will be built in sections; produce 60,000 tons of fertilizer yearly; so designed that capacity may be increased 30,000 tons; 306x161 ft.; 2 wings, 80 ft. long, built in rear of building; central part of building, 196x161 ft., will be constructed at once; have placed orders for \$18,000 additional machinery.

Md., Baltimore—Consolidated Engineering Co., 20 E. Franklin St., has contract for following buildings for American Agricultural Chemical Co., parent company of Bowker Chemical Co., at First and Tenth Ave., Canton; to replace burned structures; Section A—storage building, 70x69 ft., 2 story, frame, steel and conc.; Section B—manufacturing building, 45x69 ft., 3 story, frame, steel, conc. and brick; Section C—laboratory building, 1 story, frame and brick; Dietrich Bros., 220 Pleasant St., have contract for struct. steel; other sub-contracts will be let soon; Engineering Dept. of A. A. C. Co., 419 Fourth Ave., New York City, prepared plans. 5-17

Flour, Feed and Meal Mills

N. C., Charlotte—Piedmont Feed Mills, J. W. Maxwell, 403 N. Pine St., erect stock feed plant, Government Rd.; 3 stories; 15,000 sq. ft. floor space.

Tenn., Cookeville—Bob Lee Maddox acquired Cookeville Roller Mills.

Foundry and Machine Plants

Tenn., Athens—Athens Stove Works erect building and addition to moulding room and packing department; brick, conc., steel, 1 story.

Gas and Oil Enterprises

Ark., Fort Smith—Citizens Gas Co. will construct gas line along Johnson St. and Kelley Highway to plant of Harding Glass Co., will serve plant with gas from Roland, Okla., fields, developed by Citizens Gas Co.

Fla., De Land—City ratified 30 year franchise to De Land Gas Service Co.; will lay gas line; later may extend line to Lake Helen and Orange City; Chas. B. Hawley Engr. Corp., Munsey Bldg., Washington, D. C., interested in company.

La., Crowley—Indiana-Louisiana Oil Co., Inc., capital \$25,000, incorporated; A. E. Tonn, Lara J. Jones.

La., Lake Charles—Welsh Petroleum Co., Inc., capital \$40,000, incorporated; S. O. Scoggins, 508 Clarence St.

La., Shreveport—Moran Corp., Ricou-Brewster Bldg., acquired domestic gas distributing systems of Texas Co., 1000 Alma St., Dallas, Tex., in Cado, DeSoto and Red River parishes, including Oil City, Vivian and Hosston.

Md., Baltimore—Prudential Refining Corporation will soon offer through Robert Garrett & Sons and Stein Bros. & Bauer, both Baltimore; Bauer, Pond & Vivian, New York, issue of \$2,000,000 first (closed) mortgage 6½% gold bonds, with detachable stock purchase warrants; proceeds to be used for plant improvements; will have daily production capacity of 10,000 bbls. crude oil; changed name from Prudential Oil Corp.

Mo., Adrian—City granted natural gas franchise to R. A. Hartley, Drexel, and Wm. Bunting, Kansas City.

Mo., Butler—City granted franchise to R. A. Hartley, Drexel, and Wm. Bunting, Kansas City, for light and power, subject to ratification June 8.

Mo., St. Louis—Poter Oil Refining Co., 1434 Whittenberg Ave., plans establishing \$45,000 oil storage and distributing plant.

Oklahoma—Lone Star Gas Co., 1915 Wood St., Dallas, Tex., reported, plans natural gas system at Mt. Park, Snyder, Wanette and Granfield, all Oklahoma.

Okla., Mountain Park—Farmers Union-Operative Oil Co., Incorporated; H. L. Thorp, P. C. McFarland.

Okla., Muskogee—George S. Wilson, 1023 Chestnut St., interested in natural gas plant to be operated by city.

Okla., Oklahoma City—Oklahoma Gas and Electric Co., reported, acquired Belle Isle, 13,000 kw. generating station of Oklahoma Railway Co.

Okla., Tulsa—Delta Oil and Gas Co., incorporated; W. A. Chase, Mayo Bldg.

S. C., Greenwood—Alfred I. Phillips, 122 Greenwich St., New York, will begin construction soon on gas plant; sheet metal; \$100,000; has 50 yr. franchise. 5-24

Tennessee—Southern Cities Utilities Co., 1612 Market St., Philadelphia, Pa., offering through E. H. Rollins & Sons, H. M. Byllesby & Co., Inc., Blair & Co., Inc., and Howe Snow & Co., Inc., all New York, \$3,000,000 30 year 6% sinking fund gold debentures, Series A; company renders public utility service in Tennessee, North Carolina, Alabama, West Virginia, Maryland, Delaware and New Jersey, in Philippine Islands and Dominican Republic; purpose of issue to retire certain funded debt of company, to acquire through subsidiary electric properties in Dominican Republic.

Texas—Ricker & Dodson, San Angelo, Loren L. Hillman and Carl T. Long, both 704 Petroleum Securities Bldg., Los Angeles, Cal., have organized Black Arrow Oil Co., capital \$1,000,000, under laws of Delaware.

Texas—United Gas Co., O. R. Seagraves, Pres., Houston, offering 25,000 shares preferred stock, \$7 cumulative dividend, Series A (without par value), through G. E. Barrett & Co., Inc., and Goddard & Co., Inc., both New York; company is holding company for consolidation and management of \$75,000,000 natural gas properties of Moody-Seagraves Interests in Texas and Louisiana. 5-24

Texas—Texas Corp., 17 Battery Place, New York, has plans for \$4,500,000 addition to pipe line system in Texas; increase delivery capacity of Port Arthur refinery by 10,000 bbls. daily; lay 56 mi. 8-in. line between Dallas and Corsicana, from Corsicana will lay 8-in. line to augment system from Louisiana-Arkansas producing districts to Port Arthur; lay 150 mile line between Gray County field, Panhandle and Electra.

Tex., Abilene—Ewmo Oil Corp., capital \$100,000, incorporated; E. W. and M. P. Moutray.

Tex., Harlingen—Rio Grande Valley Gas Co., Politis Bldg., applied for gas franchise.

Tex., Harlingen—City, S. Finley Ewing, reported, negotiating with Corpus Christi capitalists for extension natural gas line from Kingsville, through Raymondville, Lyford, Sebastian, Combes to Harlingen to serve some new cities in Willacy and Northern Cameron counties.

Tex., Ottine—Otto Pioneer Oil Co., incorporated; R. P. Ryan, C. Zedler.

Tex., Pampa—Eslick Oil Co., incorporated; Ernest Eslick, Mrs. M. W. Thompson.

Tex., Pecos City—Burford Oil Co. of Texas, F. W. Burford, Pres., 818 Delaware St., Shreveport, La., build \$650,000 refinery, crude oil capacity 5000 bbls. daily; install 1500 bbl. Jenkins cracking unit, to operate with gas oil; construction begin about July 1; Graver Corp., East Chicago, Ind., has contract for refinery and Jenkins unit; 6-in. pipe line under construction from Hendricks Pool in Winkler County to Pecos City, owned by Burford Oil Co. and Skelly Oil Co. 5-24

Tex., Rockdale—Community Natural Gas Co. (subsidiary, Lone Star Gas Co., 1915 Wood St., Dallas), lay gas mains.

Tex., San Antonio—Texas Gas Utilities Co., 529 Gunter Bldg., J. G. Pundt, Pres., receiving bids for complete gas system, 13 mi. pipe line main and 18 mi. line in city, cost \$100,000; will build 190 mi. line when survey is finished; Earl Camp, Constr. Engr.

Va., Lowmoor—R. C. Stokes, Covington, V. P., Shenandoah Gas and Utilities Co., subsidiary of Intercontinent Gas Co., 11 Broadway, New York, reported, announced work will begin within 8 months on gas plant; plant will use gas-making process and plans piping gas to Virginia; Shenandoah Co. recently received franchise from Clifton Forge, recently received franchise from Clifton Forge, and Corrington. 4-26

Ice and Cold-Storage Plants

Miss., Aberdeen—S. R. Morgan & Co., Rector Bldg., Little Rock, Ark., let contract to John Norton for erecting ice factory, Quincy St.

Miss., Meridian—R. E. Heady, field representative for group of Chicago capitalists, plans erect \$85,000 ice plant.

N. C., Kinston—Stockholders of Lenoir Oil and Ice Co. will meet to consider sale of ice plant to Edwin C. Gregory, Salisbury, and Robt. Livingston, New York.

Okl., Oklahoma City—Central Oklahoma Service Co., C. E. Lahman, Pres., was organized to acquire properties of C. M. Beachy located in Oklahoma City, namely, Steffen Ice and Ice Cream Co., Oklahoma City plant, Crystal Ice Cream and Ice Co., Capital Ice and Storage Co., and Big Four Ice Delivery Co.; also Walbert Ice Co.'s plant, and Zero Ice and Cold Storage Co.'s plant; company will be operated by Southwest Utility Ice Co., World Bldg., Tulsa, Okla.

Land Development

Ark., Fort Smith—J. C. Olson, Helena, Ark., acquired site on N. Eleventh St., between Spradling Ave. and Waldron Rd., develop tourist camp, erect 10 tourist cottages.

Ark., Stuttgart—Stine Farming Co., incorporated; Clyde and J. A. Stine.

Fla., Babson Park—Marion Forbes Co., incorporated; Marion Forbes, J. M. McDonald.

Fla., Hampton Springs—Fen Holloway Farms, Inc., incorporated; B. H. Huggins, R. C. Booser.

Fla., Miami—Pawill Co., incorporated; Wm. D. Pawley, S. W. Fourth St.

Fla., Miami—Short Crest Co., incorporated; E. S. Corlett, 207 N. E. Second Ave.

Fla., Miami—The Hudca Co., incorporated; G. C. Simpson, Seybold Bldg.

Fla., Orlando—J. E. Caker, Inc., chartered; J. E. and M. L. Baker.

Fla., St. Petersburg—American Properties, Inc., capital \$25,000, incorporated; James R. Bussey, Florida Arcade.

Fla., St. Petersburg—Tarpon Land Corp.,

capital \$32,000, incorporated; C. M. Roser, 695 Central Ave.

Fla., Tampa—City, Ralph B. True, Park Supt., has plans for developing 8-acre park on Hillsborough River, expend \$120,000; develop Marjorie Park, \$50,000; Lowry Park, \$10,000 and \$5000 for improving arterial highway entrances of city.

Fla., West Palm Beach—Al Iado Del Mar, Inc., chartered; R. S. Yeomans, R. E. Brown.

Georgia—Georgia Vineyard Co., J. E. Clancy, Sec.-Treas., Amer. Rwy. Exch. Bldg., Savannah, capital \$500,000; develop grade vineyards in Bulloch County; plans initial development of 2000 acres in grapes during next 1½ yr., gradually increased to 5000 acres.

Ga., Atlanta—Stiles and Van Kleeck, Taylor Arcade, Fla., Golf Archt., completed surveys for 18-hole golf course at Peachtree Creek Memorial Park; plans include memorial park; with drives, swimming pools, tennis courts, etc. 3-1

Ky., Louisville—City Board of Park Comms. develop playground, 15 acres; Olmsted Bros., Landscape Archts., Brookline, Mass.

La., Alexandria—City developing golf course, relocating zoo, building drives, etc.; Harold J. Neale, Archt., 615 Common St., New Orleans. 5-24

La., Lake Charles—Chetwood-Rodgers Development Co., Inc., chartered; Geo. M. King, 1605 Ryan St.

La., New Orleans—Southern Fur Farms, Inc., capital \$20,000, chartered; F. J. Richardson, 427 Coplananade Ave.

La., New Orleans—Fairview Realty Co., Inc., chartered; H. W. Robinson, Canal Bank Bldg.

La., New Orleans—Monreale Realty Co., Inc., chartered; Frank Lima, Onofrio Lococo.

La., New Orleans—West Bank Realty Co., Inc., capital \$20,000, incorporated; L. E. Raboulin, 612 Gravier St.

La., New Orleans—Brown Nanz Co., Inc., capital \$40,000, incorporated; B. G. Happach, 8131 Cohn St.

La., New Orleans—Monarch Realty Co., Inc., capital \$30,000, incorporated; Chas. A. Danna, 124 Carondelet St.

Md., Frederick—R. L. Warfield acquired 53 acres along state highway.

Mo., Kansas City—Lake Lotawaba Development Co., R. P. Matches, Gen. Mgr., Pioneer Tr. Bldg., will soon let contract for constructing dam at site of Lake Lotawaba; approximately 285,000 cu. yds. dirt required for dam; will give water surface of 700 acres.

Mo., Kansas City—Venetian Lake Corp., C. E. Houston, Pres., 3390 Forest Ave., develop 107 acres for subdivision; install sewers, lighting, roads, etc.; expend \$100,000; Spitaufsky Bros., Gen. Contrs., 1916 Baltimore St.; E. T. Archer & Co., Constr. Engrs., New England Bldg.

Mo., St. Louis—Benclar Realty Co., capital \$50,000, incorporated; G. E. Benes, 2202 S. Broadway.

N. C., Salisbury—Zoning and Park Comsn., Ross M. Sigman, plans park and playground system.

N. C., Winston-Salem—J. R. Yokel Co., capital \$20,000, incorporated; Russell M. Weaver, O'Hanlon Bldg.

Okl., Miami—Judge S. C. Fullerton, acquired 2460 acres in Ottawa County.

Tenn., Chattanooga—Fred Robinson, 700 Chestnut St., B. A. Crisman, interested in developing golf course near Lupton City; have 200 acre site, portion will be developed for subdivision; install water and sewers.

Tenn., Knoxville—Gaut Realty Co., J. P. Gaut, Pres., will develop land in S. Knoxville; H. Graf, Archt., Journal Bldg.; Weaver & Magill, Contrs., General Bldg., Knoxville.

Tenn., Memphis—B. E. Stanfill, 2073 Felix St., acquired 63 acres on Collerville and Capleville Rd.

Tex., Austin—City voted park bonds. See Financial News. 3-29

Tex., Houston—Roger Seaman, Chmn., Housing Committee, will construct tourist camp to accommodate 5000 automobiles in Memorial Park; equip with electric lights, water, etc.

Tex., Houston—C. R. Haas acquired 223 acres on La Porte Rd.

Tex., Houston—Japanese Nursery Co., Olcott, acquired 12 acres.

Tex., Houston—C. W. Hahl, Post-Dispatch Bldg., and associates, acquired 2200 acres on south side Ship Channel.

Tex., Morse—J. P. Burgess, Oliver-Eackle Bldg., has 640 acres in Hansford and Hutchinson Counties, develop 160 for townsite; install water, sewers, electric lights. 5-24

Tex., San Antonio—City voted \$400,000 park improvement bonds.

Tex., San Benito—D. V. Capps, Isaac M. Friesen, J. B. Ratzlaff, all of Garden City, Kansas, interested in establishing Mennonite colony.

Tex., San Benito—City planning improvements to include parks, golf course, etc.; will probably select Hare & Hare, Huntzinger Bldg., Kansas City, as city plan engineers.

Tex., Three Rivers—Charles R. Tips and Associates, 300 Crockett St., Austin, subdividing 500 acre tract for Mexican Colony; install water, sewers, gas.

Lumber Enterprises

La., New Orleans—New Orleans Stave and Lumber Corp., Inc., incorporated; B. B. Bennett, 8018 Plum St.

Miss., Meridian—J. J. White Lumber Co., Hugh L. White, Pres., Columbia, acquired Consumers Lumber and Supply Co.

Okl., Enid—Thorne Planing Mill Co., capital \$20,000, incorporated; L. H. Thorne, B. F. Carr.

Okl., Oklahoma City—American Lumber and Timber Co., incorporated; C. G. Frost, 316 W. 21st St.

Tex., Corpus Christi—Pickering Lumber Co., 901 Leopard St., Sam Bass, Gen. Mgr., erect lumber yard, Waco and Mestina Sts.; 100x300 ft.

Tex., Harlingen—Valley Builders Supply Co., erecting planing mill; hollow tile, conc., 1 story, 40x150 ft.; W. R. Varner, Archt.

Tex., Houston—Taylor Lumber Co., 517 Preston St., acquired site at Eastwood Ave., erect lumber plant.

Va., Hampton—Varnell Lumber Co., capital \$15,000, incorporated; I. J. Varnell, W. A. Furlow.

Mining

Mo., Cape Girardeau—Cape Silica Co., D. C. Smith, may add 3 or 4 additional units to silica mine operated 4 miles west of Cape Girardeau.

Mo., Joplin—White Shirt Mining Co., incorporated; W. S. Marquiss, M. L. Wrayfield.

Tex., Gulf—Texas Gulf Sulphur Co. erecting plant at Boling Dome for mining sulphur; within 2 years company plans producing 400,000 tons of sulphur annually.

Va., Brookneal—Climchfield Sand and Feldspar Corp., Hearst Tower Bldg., Baltimore, Md., will erect building and install pulverizing machinery.

Miscellaneous Construction

Fla., Stuart—Thomas and John Taylor applied to War Dept. for permission to construct fill on east side of St. Lucie River; take 30,000 cu. yds. of soil from river bottom.

La., Ferriday—Levee—Levee Bd., Maj. O. H. Corbets, contemplates bond issue for levee. See Financial News.

La., New Orleans—Higgins Lumber Co., Industrial Canal, installing quick-acting, ball-bearing marine railway on inner harbor navigation canal, designed for hauling out boats and yachts of character on an even keel.

La., New Orleans—Bd. of Commrs., Port of New Orleans, New Orleans Court Bldg., receives bids June 5 for reconstructing St. Andrews street wharf, including moving, raising and altering shed; construct 2 conc. fire walls and joining Celeste St. shed to adjacent fire wall; cost \$200,000. See Want Section—Bids Asked.

Miscellaneous Enterprises

Ala., Birmingham—Bottling Plant—Crawford Johnson & Co., Inc., 508 S. 22d St., has low bid at \$169,500 from Southern Ferro Concrete Co., Ellis St., Atlanta, Ga.; steel, conc., 2 stories and basement, conc. floors, tar and gravel roof; D. O. Whillden, Archt., 515 N. 21st St. 5-10

Ark., Gravette—Arthur M. McClure plans erecting cheese plant.

Ark., Pine Bluff—Grisham Ice Cream Co. acquired Denie Creamery Co.'s plant.

Ark., Stuttgart—City voted \$12,000 for fire equipment. See Financial News.

D. C., Washington—Kraft-Phenix Cheese Co., J. L. Kraft, Pres., 345 Greenwich St., New York, 402 Rush St., Chicago, Ill., acquired control of Southern Dairies, Inc., by purchase of class "A" and class "B" stocks; Kraft-Phenix Cheese Co. has definite program of diversification and expansion

planned; have a year ago extended its operation into Southern territory and have factories operating in Alabama, Missouri, Texas, Arkansas, Tennessee, Kansas and Georgia; reported, that Southern Dairies will not be consolidated with Kraft-Phenix Cheese Co., but will be operated as separate company under Kraft management.

D. C., Washington—Electric Stoker Co., capital \$100,000, incorporated; Clarence T. Kingsbury, 3206 K St., N. W.

Fla., Bradenton—G. M. Cannon, Jr., Dalton, Ga., let contract to Varney Bros., P. O. Box 331, for erecting building to be occupied by Bradenton Herald Publishing Co.; brick, wood joist on I beams, 50x75 ft., 2 stories, conc. and wood floors, felt-pitch-gravel roof; receiving bids for automatic sprinkler system. See Want Section—Machinery and Supplies. 5-24

Fla., Crystal Springs—Crystal Springs Amusement Co., capital \$50,000, incorporated; S. D. Lovett, Wm. O. Lester; will develop amusement park and construct swimming pool.

Fla., Lakeland—Eagle Roofing and Sheet Metal Works of Lakeland, Inc., incorporated; E. B. Wood, 515 Young Place.

Fla., Miami—Dade Dredging and Construction Co., incorporated; E. L. Semple, Congress Bldg.

Fla., Miami—Greater Miami Poultry Co., incorporated; R. G. Conser, 939 N. W. Fourth St.

Fla., Pensacola—Pensacola Shipbuilding Supply Co., incorporated; E. G. Bonifay, 1004 E. Jackson St.

Fla., St. Petersburg—Sponges—Delta Corp., incorporated; J. H. Martle, J. R. Simpson.

Fla., Tampa—Hagerman Electric Co., 916 Bay St., incorporated; W. A. Hagerman.

Fla., Tampa—Southern Garment Mfg. Co., incorporated; W. C. Brooker, 2803 Watrous Ave.

Fla., West Palm Beach—Florida Quarries and Construction Co., incorporated; C. L. Nelson, Harvey Bldg.

Ga., Atlanta—Stockholders of Southern Baking Co., 7 W. 10th St., Wilmington, Del., will meet June 15 to take action upon proposal to transfer all property and assets, including good will and corporate franchises, to Columbia Baking Co., Delaware corporation, in exchange for shares of first preferred, second preferred and common stock of said corporation; total authorized capital stock of this corporation is 100,000 shares of preferred stock, par value \$100 per share, amounting in aggregate of \$10,000,000, and 100,000 shares common stock without par value; Columbia Baking Co. now being formed under laws of Delaware, with authorized capital stock of 300,000 shares without par value, consisting of 100,000 shares first preferred stock, 100,000 shares of second preferred stock, 100,000 shares of common stock; will also take over stock of Hexter Baking Co., New York.

Ga., Atlanta—Jessup & Antrim Ice Cream Co., 127 Ellis St., N. E., considers erecting plant.

Ga., Augusta—David and Shier Levkoff, Shirley Apt., have patent on garment protector and folding box, will organize Garment Protector Corp.; plan large factory.

Ga., Macon—Swift & Co., U. S. Yards, Chicago, Ill., plans acquiring Georgia Cotton Oil Co., Waterville Rd., and Alabama Cotton Oil Co., Montgomery, Ala.

Ga., Macon—H. G. Ray, Donaldsonville, acquired building and property of National Milling Co., Fifth and Ocmulgee Sts.; will establish peanut shelling plant.

Ky., Liberty—Dink Wilkerson has acquired Danville Ice Cream Co. in Crescent Heights.

Ky., Louisville—United States Foll Co., 2900 Grand Ave., erect \$30,000 factory addition; brick, steel.

Ky., Owensboro—Owensboro Bottling Co. acquired Parfay Bottling Co., 120 St. Am St.

Ky., Winchester—Marsh Dairy Co. incorporated; J. A. Proctor, O. O. Marsh.

La., Houma—Fulton Iron Works, 1259 Delaware St., St. Louis, Mo., awarded contract through Pipes & Krumbhaar for installation of complete cane milling plant and additional boiler house; will grind 2000 tons of cane per day; all steel-cane carrier, 12-roller tandem with double crusher, driven by steam engines.

La., New Orleans—Best Electric Co., Inc., capital \$25,000, incorporated; Leonce Boncace, Sr., 1141 N. Dupre St.

Md., Baltimore—Paint—J. Harlan Williams, Inc., Munsey Bldg., incorporated; J. Harlan Williams.

Md., Rockville—Independent Publishing Co. incorporated; Alexander Mosher, Harold C. Smith.

Md., Towson—Printing—Ink, Inc., incorporated; Robert D. Black, 524 Park Ave., Towson.

Miss., Gulfport—Daily Herald let contract to Zack Bailey for addition; electrical, Standard Electric Co.; plumbing, Weaver & Conn; roofing, Hamilton Bros.; Shaw & Woleben, Archts.

Miss., Jackson—Mo-Tone Chemical Corp. will erect plant.

Missouri—U. S. Engr., Kansas City, receives bids May 31 for constructing 4500 lin. ft. of standard revetment in Missouri River, at Missouri City Bend; and about 6600 lin. ft. of standard revetment in Missouri River at Little Blue Bend. See Want Section—Bids Asked.

Mo., Cabool—Missouri Farmers' Assn., F. W. Scott, Sec., plans erecting \$40,000 creamery.

Mo., Columbia—Sudden Service Cleaners, Inc., incorporated; Merrill McCluskey, Ted McCluskey.

Mo., Columbia—Loren Dairy Co., incorporated; J. O. Ewing, Alex Gibbs.

Mo., Jefferson City—Public Service Comm. authorized Capital Stage Lines Co. to take over line of Osage Valley Stage Line Co., operating between Kansas City and Springfield over Highway No. 50 and No. 13.

Mo., Kansas City—Borsierine Heating and Supply Co., incorporated; Louis H. Borsierine, 3809 Benton Blvd.

Mo., St. Louis—Albega Laboratories, Inc. of Missouri, incorporated; O. R. McHughes, 3910 Lindell St.

Mo., St. Louis—Gamble Construction Co., 620 Chestnut St., increased capital, \$50,000 to \$150,000.

Mo., University City, Br. of St. Louis—H. G. Rupp Construction Co. incorporated; J. Henry Caruthers, David H. Leitch.

N. C., Charlotte—J. A. Gardner, 211½ S. Tryon St., erect \$22,000 bakery.

N. C., Charlotte—Carolina Linen Supply Co., 1503 S. Tryon St., erecting \$20,000 plant, W. Worthington Ave.

N. C., Durham—Perry Roofing Co., capital \$25,000, incorporated; T. J. Perry.

N. C., Greensboro—White Washing Machine Co., capital \$50,000, incorporated; O. E. Reed, Wm. P. Tucker, Mary A. Gray.

N. C., Greenville—Eureka Laundry Co., capital \$15,000, incorporated; R. C. Horton.

N. C., Hayesville—J. V. Arrendale, A. F. Padgett and others interested in establishing creamery.

N. C., Leaksville—Builders—John Smith Co., capital \$150,000, incorporated; John W. Smith, Martinsville, Va.; Fred. L. Hedge, Leaksville.

N. C., Reidsville—Sharp Chemical Co., capital \$50,000, incorporated; Hunter K. Penn, Whitsett Bldg.

Tenn., Memphis—Universal Electric Sign Co., incorporated; W. M. Farabee, 1828 Cowden St.

Tenn., Memphis—Nine Ten Medicine Co., capital \$400,000, incorporated; Gladys B. Martin, 1268 Castalia St.

Tenn., Memphis—Rotary Stove Co., Inc., capital \$25,000, incorporated; Ben C. Welch, U. & P. Bank Bldg.

Tex., Athens—Nisise Milk and Baking Co., capital \$12,000, incorporated; H. A. Drane, Henry Hart, G. I. Shelton.

Tex., Austin—City voted abattoir bonds. See Financial News. 3-29

Tex., Beaumont—Beaumont Orange Crush Bottling Co., incorporated; C. O. Woodman, John De Forrest.

Tex., Fredericksburg—New York Buyers Assn. will erect poultry dressing plant, 70x100 ft.

Tex., Harlingen—Fred Haskett acquired site, will erect newspaper plant.

Tex., Houston—Jolly Boy Ice Cream Co., incorporated; W. M. Truxaw, A. C. Truxaw.

Tex., Houston—Southern Engine and Pump Co., 615 Washington St., increased capital, \$40,000 to \$100,000.

Tex., Houston—Pickling Business—Liberty National Bank of Waco, Waco, has acquired Price-Booker Mfg. Co., in Houston Heights.

Tex., San Antonio—Harlandale Feed and Seed Co., incorporated; Henry Mueller, 212 Burleson St.

Tex., Temple—Temple Milk and Creamery Co., Fifth St. and A Ave., let contract to Guy Baker for erecting creamery and cheese factory; 1 story, 60x88 ft., rein. conc. frame, brick and tile curtain walls, cream colored

face brick; daily capacity of 30,000 lbs. of milk.

Va., Bridgewater—State Corp. Comm., Richmond, authorized Towns Bus Line to extend bus line it now operates between Bridgewater and Elkton, via Harrisonburg, from Elkton to Shenandoah.

Va., Richmond—D. Pender, controlled by National Food Products Co., Yellow Front and Piggly Wiggly Stores, latter two controlled by Sanitary Grocery Co., Inc., Fourth and T Sts., N. E., Washington, D. C., mentioned in connection with a proposed Southern grocery chain with 1000 stores and assets in excess of \$52,000,000, which would include more than 75 stores in Richmond by reassembling many of units formerly owned by Piggly Wiggly Corp. and other groups. 5-10

Va., Waynesboro—Vinegar, Fruit Canning, Preserves, etc.—National Fruit Product Co., Inc., Frank Armstrong, Treas. and Mgr., Woodward Bldg., Washington, D. C., plans rebuilding burned plant.

W. Va., Clarksburg—Rainbow Novelty Glass Co., capital \$50,000, incorporated; Karl G. Davis; erecting plant.

W. Va., Wheeling—Rleck Ice Cream Co. will erect plant, 2804 Wood St. 3-22

Motor Bus Lines and Terminals

Tenn., Memphis—Consolidated Utilities formed by J. P. Norfleet, 109 S. Front St.; W. B. Bayless, acquired control of Gregory Bus Lines, Inc., 209 S. Second St.

Motor Cars, Garages, Filling Stations

Ala., Mobile—Wheeler Motor Co., 450 St. Louis St., erect garage; 2 stories, 61x110 ft., brick.

D. C., Washington—Washington Filling Station, Inc., capital \$45,000, incorporated; Clarence W. Scully, 516 A St., N. E.

Fla., Daytona Beach—City Comm. granted 10 year franchise to Union Bus Line, Inc., to operate buses for negro passengers.

Fla., Jacksonville—Filling Station—Permenter & Wood, Inc., 1499 W. Adams St., incorporated; S. Permenter.

Fla., Lakeland—Cheatham Tire Co., incorporated; F. D. Cheatham, 208 Palmola Park.

Fla., Miami—Second Avenue Repair Shop, Inc., incorporated; Joe Carrier, 2151 N. W. Second Ave.

Fla., Orlando—Hardee Motor Co., incorporated; L. A. Hardee, E. B. Hardee.

Fla., Tampa—Oakland-Tampa Co., incorporated; E. B. Sinkler, 3302 Bay-to-Bay Blvd.

Fla., Vero Beach—W. M. G. Motors, Inc., capital \$15,000, chartered; C. C. Gow, Doris Martin.

Ga., Augusta—Double Service Garage, Inc., incorporated; C. Besley Tracy, Norris Sherry.

Ga., LaGrange—Wilks Motor Co. erect \$40,000 building; 3 stories, conc., brick, steel, sprinkler system, built-up roof; Burge & Stevens, Archt., 101 Marietta Bldg., Atlanta.

Ky., Paducah—Choate-Melton Hudson Co., Arcade Bldg., incorporated; Emile D. Choate.

Ky., Providence—Dixie Bee Truck Co., capital \$25,000, incorporated; W. D. Morrow, Mona Mae Morrow.

Ky., Louisville—McFee Auto Service Co. incorporated; Everett A. McFee, 810 36th St.

La., Alexandria—Pan-American Oil Co., Seventh St., erect filling station, Bolton Ave. and Murray Sts.; brick, stucco.

La., Ville Platte—Veillon Motor Co., Inc., capital \$12,000, incorporated; Adraiste Veillon, Rene Veillon.

Md., Baltimore—Service Station—Brakes, Inc., Fidelity Bldg., incorporated; William R. Carr.

Md., Baltimore—Cunliffe-Cadillac Co., 1400 N. Charles St., incorporated; C. Raymond Cunliffe.

Md., Baltimore—H. K. Startzman Motor Co., Inc., 53 W. Franklin St., incorporated; Harry K. Startzman.

Miss., Yazoo City—Woolwine Motor Co. plans erecting garage.

Mo., Kansas City—Carter & Carter, 401 Commerce Bldg., erect garage, 3128-36 Harrison St., adjoining La Salle hotel; 100x150 ft.

Mo., Kansas City—Frank C. Baker, Hickman Hills, erect 2-story building, Gillham Rd. and Troost Ave., to be occupied by B. & H. Motor Co.

Mo., Kansas City—Chevrolet Motors Corp., W. S. Knudson, Pres., Detroit, Mich., will erect \$2,250,000 plant on 28 acre site in Leeds Dist.; include assembly unit, Fisher body unit, office building, parts and service building, drive-away shed, loading dock, power

house; exception of office building all units will be of 1-story monitor type roof construction; will have capacity of 350 cars per day; will have total of 410,000 sq. ft. of floor space, employ 1500 persons; complete in Oct.; Albert Kahn, Archt., 1004 Marquette Bldg., Detroit, Mich. 4-12

Mo., St. Joseph—Foster-Hall Tire Co., 1221 Frederick St., will erect \$75,000, 1-story automobile service station, 2-story radio broadcasting plant, and 116x29 ft. tire warehouse; Spanish Mission type, stucco, terra cotta trim, tile roof; Walter Boschen, Archt., Tootle-Lacy Bank Bldg.

Mo., St. Clair—Filling Stations—St. Clair Oil Co., incorporated; T. M. Hoff, Wm. L. Casey.

Mo., St. Louis—Wm. King and associates, 117 S. Broadway, erect garage, Morgan and Seventh Sts.; 6 stories, 100x80 ft., ramps, brick, rein. conc.; Gill & Jackson, Archts., 520 Buder Bldg.; W. J. Knight Co., Engrs., 901 Walnwright Bldg.

Mo., St. Louis—Jean P. Fleming, 4460 Gibson Pl., representing interests, acquired site 3407 Washington St., for \$200,000 garage; capacity 210 automobiles.

N. C., Chapel Hill—Southland Motor Co., capital \$100,000, incorporated; J. F. Cooper, Ralph Pendergraft.

N. C., Charlotte—Burwell Harris Motor Co., 229 N. Tryon St., receives bids about June 10 for erecting \$50,000 building; rein. conc., brick, 97x91 ft., 3 stories, comp. roof, conc. floors; Lockwood, Greene & Co., Inc., Archts. 5-10

N. C., Greensboro—Automobile Supplies—Red Devil Products, Inc., capital \$100,000, incorporated; J. L. Frazee, Jr., D. P. Delancy.

N. C., Greensboro—Chester Smith Motor Co., incorporated; Chester A. Smith, 1004 Magnolia St.

Okla., McAlester—G. H. Newton erect \$25,000 garages; fireproof.

Okla., Oklahoma City—Southwest Motors, Inc., capital \$100,000, incorporated; W. W. Smith, 2115 N. Hudson St.

Tenn., Knoxville—Cadillac-La Salle Co. of Eastern Tennessee, W. F. Stockell, Pres., 527-29 N. Gay St., erect building.

Tenn., Knoxville—Weaver & McGill, General Bldg., have contract for erecting filling station; brick, stucco; R. F. Graf & Sons, Archts., Journal Bldg.

Tex., Houston—Auto Service System, Inc., incorporated; W. B. Young, 1217 W. Drew St.

Tex., Houston—Walter H. Walne erect \$40,000 building to be occupied by Hargis Chevrolet Co., 2606 Lincoln St. 5-24

Tex., Palestine—A. Cartmell will erect garage to be occupied by Garrett Motor Co.

Tex., San Antonio—Haines-Flaherty Tire Co., Jack Flaherty, 212 Pierce St., erect \$35,000 filling station; 161x111 ft.; Phelps & De Weese, Archts., Gunter Bldg.

W. Va., Wheeling—South Penn Oil Co., 541-49 William Penn Way, Pittsburgh, Pa., will erect wholesale oil station, Main and 40th Sts.; \$130,000; J. F. Kuntz, Archt., R. R. Kitchen, Contr., 37 19th St.

Railways

Ga., Augusta—Georgia and Florida R. R. Co., H. B. Holmes, Ch. Engr., has applied to Interstate Commerce Comm. for authority to issue \$1,000,000 first mortgage bonds; proceeds to be used in completing construction of an extension of its line from Augusta, Ga., to Greenwood, S. C.

South Carolina—Atlantic and Northwestern R. R. Co., A. M. Lumpkin, V. Pres., 1010 Palmetta Bldg., Columbia, has applied to Interstate Commerce Comm. for authority to construct 50 mi. line or road in South Carolina; line will extend from Mt. Pleasant, across Charleston Harbor from Charleston, to McClellanville, and northwest to James-town.

Texas—Kansas, Oklahoma and Gulf Ry. Co., C. Kaighn, Ch. Engr., Muskogee, Okla., has applied to Interstate Commerce Comm. for authority to lease properties on Kansas, Oklahoma and Gulf Ry. Co. of Texas for 10 years; company operates 9 miles of line in Texas.

Tex., Tyler—St. Louis Southwestern Ry. Co. (Cotton Belt), D. Upthegrove, Pres., St. Louis, Mo., let contract to Gifford-Hill & Co., Texas Bldg., Dallas, for rebuilding railroad. Tyler to Mount Pleasant. 4-12

Va., Hopewell—Prince George and Chesterfield Ry. Co., subsidiary of Seaboard Air Line Ry. Co., W. D. Faucette, Ch. Engr., Savannah, Ga., has applied to Interstate Commerce Comm. for authority to operate railroad from main line of Seaboard Air Line in Chesterfield County to Hopewell, 16 mi.

Roads, Streets and Paving

Proposed Construction

Alabama—State Highway Comm., Montgomery, plans 3 roads: Carter Hill road, Montgomery to Pike County line; Troy to Brundidge; Ozark to Arlton.

Ala., Birmingham—City Comm., Eunice Hewes, Clk., plans expending \$111,300 to pave various streets, including first link in Third Ave., North, highway along car line to Central Park; Division Ave., Seventieth St.; A. J. Hawkins, City Engr.

Ala., Birmingham—Jefferson County Bd. of Revenue receives bids June 5 to grade 2.5 mi. 18-ft. road, Montgomery Highway to Edgewood Lake, \$38,000.

Ala., Birmingham—City Comm., Eunice Hewes, Clk., plans letting contracts in 2 weeks for 15 paving and sewer projects; \$527,265; A. J. Hawkins, City Engr.

Ala., Huntsville—State Highway Comm., Montgomery, receives bids soon to rebuild road, Cottonville to Guntersville.

Ala., Mobile—City Comm., Leon Schwartz, Mayor, receives bids June 5 for 8245 sq. yd. vit. brick pavement, 5-in. conc. base, 3600 lin. ft. 8x12-in. conc. curbing, 1314 cu. yd. excavation, 14,260 sq. yd. one-course conc. pavement, 10,690 lin. ft. 5x18-in. conc. curbing, 2787 cu. yd. excavation, 10,640 ft., 6 to 24-in. storm sewer pipe, 3x5 ft. conc. curb, manholes, inlets, etc.; Wright Smith, City Engr. 5-24

Ala., Phenix City—City Council plans 36-ft. conc. driveway, First St., Broad to Holland Creek; 18-ft. from Holland Creek to city limits; state aid.

Ala., Red Bay—City receives bids June 12 for grading, cement sidewalks, conc. curb, gutter, 2-in. asphalt on 5-in. conc. base paving, 10 blocks Main and Center St., 30 and 40 ft. wide; \$63,667.

Ala., Huntsville—State Highway Comm., Montgomery, plans widening Huntsville-Fayetteville Highway, Huntsville city limits to New Market turn; 6-ft. gravel shoulders from Kildare to northern paving terminus.

Ark., Conway—State Highway Comm., Little Rock, receives bids July 15 for 25 mi. hard surface Highway 25, Wooster, Faulkner County, to Cleburne County line.

Ark., Fort Smith—Fort Smith Light and Traction Co., 1204 Garrison St., plans paving crossings on Grand Ave. car line, with Amiesite.

Ark., Magnolia—Bd. of Commrs., Street Improvement Dist. 1, receives bids soon for 13,950 sq. yd. 2½-in. brick, 6-in. conc. base; 2-in. bitulithic, 5-in. conc. base; 6-in. rein. or compressed conc.

Ark., Magnolia—Bd. of Commrs., St. Improvement Dist. 3, receives bids June 1 to grade, drain, curb, gutter and pave 7000 sq. yd., brick or bitulithic on conc. base; rein. or compressed conc., Washington St.; Street Improvement Dist. 2, grade, drain, curb and 10,000 sq. yd. rein. conc. paving, Jackson St.

Ark., Magnolia—Bd. of Commrs., St. Improvement Dist. 4, receives bids June 10 for 15,000 sq. yd. brick, bitulithic paving, conc. base; rein. or compressed conc. Vine and Main St.

Ark., Prescott—Street Improvement Dist. 5, S. T. White, Chmn., receives bids about June 1 to grade, drain, curb, gutter and pave with rein. conc. 19,000 sq. yd. East Elm and East Main St.

Ark., Springdale—City, J. P. Moore, Street Commr., plans improving street from Emma Ave. to Bluff Cemetery.

Fla., Apalachicola—City, Fred Sawyer, Clk., receives bids June 19 for street paving; will sell bonds.

Fla., Bartow—Fund—City, Geo. J. McNamee, Clk.-Auditor, receives bids June 7 for \$70,000 5½% \$1000 denom. bonds.

Fla., Fernandina—City Comm., plans 3 or 4 mi. 32-ft. wide slag penetration or conc. paving.

Fla., Jacksonville—City Comm., M. W. Bishop, Sec., receives bids June 18 for 21,475 sq. yd. conc. pavement, Dennis St.; 7680 sq. yd. 6-in. conc. pavement, Union St.

Fla., St. Petersburg—City Comm., plans expending \$33,000 to conc. Grove Ave., Canal to Short St.

Fla., West Palm Beach—Dept. of Streets and Public Improvements, D. D. Howard, Supt., plans widening Spruce Ave. to 12 ft., Northwood to Fortieth St.; rock and oil shoulders of thoroughfare; A. E. Parker, City Mgr.

Fla., West Palm Beach—Palm Beach County Commrs., Fred E. Fenno, Clk., receives

bids June 6 to improve First Ave., Boca Raton; 6240 sq. yd. broken stone base course, single treatment sand and asphaltic oil wearing surface, including grading and shoulder construction; Ocean Blvd. north of Riviera; 3750 lin. ft. roadway embankment, containing 22,000 cu. yd. fill, from point south of Sec. 15, Township 42, northerly; also 2572-ft. on spur, northwest to Munylin's Island; Jake Boyd, County Engr.

Ga., Augusta—City, Permanent Paving and Civic Improvement Committee, receives bids June 4 for 33,000 sq. yd. plain conc. or vit. brick paving, 18,000 cu. yd. excavation, 10,000 lin. ft. granite curb; W. H. Wise, City Engr. and Commr. of Public Works.

Ga., Macon—State Highway Bd., Atlanta, plans rebuilding about 14 mi. State Highway, Macon-Gray Route, from Bibb County line to Gray; \$20,000 per mile.

Ga., St. Marys—Camden County Commrs., plan letting contract for improving road from Kingsland to St. Marys River.

Ga., Waycross—State Highway Bd., Atlanta, receives bids May 31 to grade 2 roads: 18 mi. Waycross-Brunswick Highway, Atkinson to Coastal Highway; 8 mi. Bee Line Route, between Hazlehurst and Ocmulgee River, Macon to Jacksonville.

Ky., Ashland—City, H. L. Carroll, Clk., receives bids June 5 for 2302 cu. yd. excavation, 3592 sq. yd. brick, Kentucky rock asphalt or conc. paving, 2090 lin. ft. curb and gutter, 1216 lin. ft. alley gutters, inlets, catch basins, manholes; Lacy Craft, Treas.

Kentucky—State Highway Dept., Frankfort, received low bids to surface treat with oil, 40 roads: Group 1—Hart, Larnie Counties, Southern Oil and Tar Co., Louisville, \$15,671; Group 2—Bullitt, Hardin, Meade Counties, R. B. Tyler Co., \$19,384; Group 3—Anderson, Nelson, Shelby, Spencer Counties, F. G. Breslin, Louisville, \$23,239; Group 4—Boyle, Garrard, Marion, Mercer, Washington Counties, R. B. Tyler Co., \$35,084; Group 5—Fayette, Jessamine, Woodford Counties, Carey Reed Co., Lexington, \$26,573; Group 6—Owen County, Carey Reed Co., \$12,858; Group 7—Bath, Bourbon, Harrison, Scott Counties, Kentucky Road Oiling Co., \$22,044; Group 8—Bracken, Pendleton, Lewis Counties, Lewis Oil Works, Covington, \$35,180; Group 9—Boyd, Carter, Greenup Counties, Kentucky Road Oiling Co., \$22,218; Group 10—Bell County, C. G. Fuller & Co., Charleston, W. Va., \$31,485. 3-3

Kentucky—State Highway Comm., Frankfort, receives bids June 20 for 34 roads, bridge: Barren County—6.4 mi. surface, Glasgow-Burkesville road; Breathitt County—16.4 mi. surface, Jackson-Campton; Butler County—5.3 mi. grade, drain, Morgantown-Bowling Green; Carroll County—1.4 mi. surface, Carrollton-Milton; Clinton County—5.9 mi. surface, Albany-Tennessee State line; Estill County—10.9 mi. surface, Irvine-Beattyville; Floyd County—10.8 mi. grade, drain, Prestonburg-Pikeville; Franklin County—6.1 mi. grade, drain, Frankfort-Owenton; Graves County—8.7 mi. surface, Mayfield-Benton; 10.2 mi. surface, Mayfield-Fancy Farm-Bardwell; Harlan County—4.9 mi. grade, drain, Clover Fork road, Shields to Everts; grade, drain, Clover Fork road, point west of Coxton to East city limits of Harlan.

In Hopkins County—11.5 mi. grade, drain, Madisonville-Sacramento; Knott County—11.1 mi. surface, Hazard-Whitesburg; Larnie County—5.3 mi. surface, Buffalo-Greensburg; Lee-Owsley Counties—9.9 mi. surface, Beattyville-Booneville; Logan-Warren Counties—8.7 mi. surface, Russellville-Bowling Green; Lyon County—5.9 mi. surface, Eddyville-Princeton; 1.4 mi. surface, Eddyville-Kuttawa road; Menifee County—9.6 mi. Frenchburg-West Liberty; 8.6 mi. Frenchburg-Mt. Sterling; Metcalfe County—7.1 mi. grade, drain, Edmonson-Greensburg; 6.7 mi. surface, Glasgow-Burkesville; Montgomery County—8.5 mi. surface, Mt. Sterling-Frenchburg; Morgan County—15.6 mi. surface, Frenchburg-West Liberty; Ohio County—8.1 mi. surface, Beaver Dam-Morgantown; 5.5 mi. surface, Rockport-Beaver Dam.

In Powell County—7.9 mi. Stanton-Campton; Rockcastle County—8.1 mi. surface, Mt. Vernon-Stanford; Shelby County—8.8 mi. surface, Shelbyville-Bagdad-Jacksonville; Trimble County—11.9 mi. surface, Bedford-Milton; Warren County—2.4 mi. grade, drain, Bowling Green-Morgantown; Wayne County—11.6 mi. surface, Monticello-Albany; Wolfe County—9.9 mi. surface, Stanton-Campton; Hickman County—bridge over Obion Creek, Clinton-Bardwell road, 6 mi. north of Clinton; superstructure: One 100-ft. steel span, rein. conc. floor; substructure and approach spans: Thirteen 30-ft. rein. conc. deck girders, rein. conc. pile bents; two rein. conc. piers for steel span.

Ky., Louisville—City, Bd. of Public Works,

considering widening Bardstown road, Douglass Blvd. to Doups Point.

Ky., Paducah—McCracken County Fiscal Court receives bids June 6 to surface 6.7 mi. Cairo road, Paducah to West Paducah; rock asphalt, waterbound macad. conc., bitulithic, Warrenite, etc.

Ky., Paducah—State Highway Comm., Frankfort, receives bids in July to rebuild Route 45 to Mayfield; Route 68 to Benton, McCracken County.

La., Lake Charles—City, Harry J. Geary, Mayor, received low bid from C. A. DeJerssey, 817 Wilkinson St., Shreveport, 85 cents per sq. yd. to resurface Ryan St., with Uvalde rock asphalt, Belden St. to Pithon coulee. 5-17

Maryland—State Roads Comm., Baltimore, receives bids June 12 for 5 roads: Montgomery County—1 mi. conc., Olney toward Laytonsville, Cont. M-101; 1 mi. conc., end of Cont. M-76 near Brookville toward Sunshine, Cont. M-95; .92 mi. conc., Old Georgetown road, end of conc. shoulders, to Rockville Pike, Cont. M-103; Prince Georges County—.47 mi. conc. along Ray road, end of Cont. P-79 to Riggs road, Cont. P-83; Wicomico County—.91 mi. conc., Isabella St., Salisbury, Main to Division, Cont. W-43.

Maryland—State Roads Comm., Baltimore, received low bids for 6 roads, 2 bridges: Allegany County—4.96 mi. conc. along River road, end of Cont. A-41 to Potomac River, McCool, A. P. Heymond, Leesburg, Va., \$128,443; Calvert County—.79 mi. gravel surface, between North and South Chesapeake Beach, Frank Moreland, Greenock, \$3501; Somerset County—1 mi. conc., end of Cont. S-24 toward Fairmont, P. D. Phillips & Bro., Salisbury, \$18,850; Carroll County—.62 mi. conc. shoulders, from near Asbestos, toward Gamber, Thomas, Bennett & Hunter, Westminster, \$5456; Montgomery County—1.8 mi. conc. shoulders, along Bladensburg road, Four Corners to Seek's Corner, Latimer & Maloney, 17th and Holly St., N. W. Washington, D. C., \$6208; Kent County—2.25 mi. conc., Reddings Corner toward Butlertown, Layfield & Waller, Salisbury, \$32,504; Baltimore-Harford Counties—.18 mi. conc. surface bridge and approaches, Little Gunpowder Falls, Philadelphia road; same on Harford road, Thomas F. Leonard, Raspeburg, Baltimore. 5-10

Md., Baltimore—Bd. of Awards receives bids June 6 to grade, curb and pave with 15,000 sq. yd. sheet asphalt streets in Cont. 463; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Estimates, approved expending \$51,650 to pave Charles St. Ave., Wyndhurst to Belvedere; Nathan L. Smith, Highways Engr.

Md., Cumberland—City Council, Mayor Koon, plans improving lower Virginia Ave., brick or conc., B. & O., Y. M. C. A. Bldg., to Western Maryland R. R. tracks.

Md., Towson—Baltimore County Commrs., John R. Haut, Clk., receive bids June 5, to improve 11 roads, Group No. 8: .12 mi. conc., Overbrook road, Anneslie, from York road, east; 4 mi. conc., Dunkirk road, Anneslie, York road to Edgewood road; .14 mi. Dunkirk road, Anneslie, Edgewood road to Anneslie property line; .17 mi. conc., Anneslie road, Edgewood road to Anneslie property line; .34 mi. Burke Ave., Towson, end of present curb, east; .09 mi. Maryland Ave., Towson, end of conc. to Susquehanna Ave.; .12 mi. conc., Willow Ave., Maryland Ave. to Aigburth Ave.; .12 mi. conc., Linden Ave., Maryland to Aigburth Ave.; .06 mi. conc., Willow Ave., end of conc. to Maryland Ave.; .12 mi. conc., Susquehanna Ave., Maryland to Aigburth Ave.; .21 mi. Morris Ave., Lutherville, Francke Ave. to Bellona Ave.; Samuel A. Green, Roads Engr.

Miss., Cleveland—City, R. B. Johnson, Mayor, receives bids June 5 for 11,606 sq. yd. gravel paving.

Miss., Cleveland—Town, R. B. Johnson, Mayor, receives bids June 5 to gravel 11,606 sq. yd. streets.

Miss., Hattiesburg—Forrest County Bd. of Suprvs., Dr. E. B. Green, Pres., plans 30 mi. paved highways, \$1,500,000. See Financial News.

Miss., Hazlehurst—Copiah County Bd. of Suprvs., plans receiving bids in June for rebuilding, graveling 5 mi. road, Centerpoint to point on Port Gibson road; plans 4 mi. road, Hazlehurst to Rockport.

Miss., Kosciusko—Attala County Highway Commrs., Suprvs. Road Dist. 3, T. N. Thornton, Chmn., receive bids June 6 to hard surface 2 roads totaling 16 mi.: 7 mi. Kosciusko-Possunneck-West road, from filling station on Kosciusko-Vaiden road, to Beat Three line; 9 mi. Kosciusko-Thomastown road, from Kosciusko to McVillie, or Leake County-Mississippi line; 25,000 tons washed, and 30,000 tons clay gravel.

Miss., Kosciusko—Attala County Highway Commrs., Separate Road Dist. 3, T. N. Thornton, Chmn., receive bids June 8 for 2 roads: 8.93 mi. Kosciusko-Vaiden road; 12.2 mi. gravel, Kosciusko-Vaiden road; 16,000 tons washed gravel; 20,000 tons clay gravel.

Miss., Laurel—Jones County Bd. of Suprvs., plan expending \$750,000 to hard surface and gravel roads in Beats 1, 2, 5. See Financial News.

Miss., Magnolia—City plans receiving bids in June for 15,000 sq. yd. paving; Henry A. Ments, Consit. Engr., Citizens Natl. Bank Bldg., Hammond, La.

Miss., Magnolia—City plans paving business block on east and west side of Railroad Ave.

Miss., McComb—Bd. of Mayor and Selectmen plan about 75,000 sq. yd. cement, conc., sheet asphalt and brick surfacing on 7 streets, including First, Seventh St., Michigan Ave.; \$40,000 sidewalk improvement, \$30,000 additional storm drainage facilities, \$25,000 sub-surface drainage; considering motorizing or improving water system, \$75,000; Henry A. Ments, Consit. Engr., Hammond, La.; J. C. Valadie, Engr., representing organization in McComb. 5-17

Mo., Cape Girardeau—City probably let contract, June 10 to 15, to pave 4 blocks on Morgan Oak, and 4 blocks on Middle St.; E. L. Saller, City Engr.

Mo., Clayton—City, A. H. Keith, Clk., plans road and street improvement; Keck Surveying Co., Engr., 806 Chestnut St.

Mo., Columbia—City received low bid from Herbert Ravenscraft and T. C. Boyd, \$37,939, to pave N. Garth Ave.

Mo., Jefferson City—City receives bids June 4 for 1250 cu. yd. excavation, 1455 sq. yd. 6-in. cement conc. paving, 1000 lin. ft. cement conc. curb, Benton St.; 1403 cu. yd. excavation, 1111 sq. yd. stone base, penetration macad. surface course paving, 800 lin. ft. cement conc. curb and gutter; F. E. Ross, City Engr.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, plans resurfacing Brooklyn St., Twelfth to Fifteenth; widen Twenty-fifth St., to 40-ft.

Mo., Plattsburg—City plans paving intersections of Main St.; votes June 12 on \$5000 bonds.

Mo., St. Joseph—Bd. of Public Works, plans 11,000 sq. yd. paving, North Eleventh St. Parkway, from point east of east end of Chicago Great Western viaduct, to Clark St.; plans paving connection between Lover's Lane and Gene Field road, to parkway, known as northwest project.

Mo., St. Joseph—Bd. of Public Works plans paving Scott St., Ninth to Twelfth; resurfacing, with asphaltic conc., Charles St., Third to Fifth.

N. C., Charlotte—City, Mayor Redd, plans street paving in various sections, including North Tryon St., Rozzelle Ferry road, Pineville road; Gilbert C. White, Consit. Engr., Durham.

N. C., Thomasville—City, R. M. Cooksey, Mgr., receives bids June 1 for 2500 cu. yd. excavation, 2900 sq. yd. conc. paving, 6000 sq. yd. conc. sidewalks, 2250 lin. ft. conc. curb, 1000 lin. ft. 6-in. water mains, 4 catch basins, etc.; William C. Olsen, Inc., Consit. Engrs., 5 Exchange Pl., Raleigh.

N. C., Whiteville—Craven County Commrs. plan straightening and grading, preparatory to conc. paving, Central Highway, between Jasper and Washington Forks.

Okla., Blackwell—City Comm. receives bids soon for 7-in. conc. paving, curb and gutter, Dewey Ave.; sidewalks, 1-in. retain walls; rein. conc. spillway and flume at intersection of E St. and Dewey Ave.

Okla., Frederick—Tillman County Commrs. plan expending \$875,000 to permanent surface about 90 mi. state and county highways, connecting Tipton, Davidson, Frederick, Manitou, Grandfield and Hollister surface Lee Highway across county. See Financial News.

Okla., Vinita—Craig County Commrs. considering 4½ mi. grading and drainage Highway 73, north of Vinita; bridge across Big Cabin Creek, southwest of Vinita; grading Highway 25, south; eliminate one-way curve and bridge, Highway 66.

S. C., Saluda—Saluda County plans loan of \$54,000 to State Highway Dept., Columbia, for paving 1 mi. State Highway 19 toward Johnston; 1½ mi. Highway 19, from proposed intersection, Routes 19 and 24.

S. C., Spartanburg—Spartanburg County Highway Comm., B. W. Johnson, Chmn., received low bid from R. C. Stevens Co., 20 College St., Asheville, N. C., \$2373 per mi., to surface treat 13 roads, totaling 39.84 mi.

Tenn., Blountville—Sullivan County plans Kingsport to Johnson City Highway, Scott County, Va., line through Sullivan County at Johnson City; sold bonds.

Tenn., Chattanooga—City, Roger Crox, City Commr., plans extensive street oiling program during summer; 9 mi. sidewalks in Twelfth and Thirteenth Dist.; pave East Eleventh St., King to Lindsay.

Tenn., Chattanooga—Hamilton County Highway Commrs. plan widening to 40 ft. and grading 6 mi. Hixson Pike, old Dallas road to South Chickamauga Creek.

Tenn., Chattanooga—City, Roger Crox, City Commr., received low bid from Southern Paving and Construction Co., Volunteer Life Bldg., to pave Lookout St., Fourth to Sixth; Whiteside, Twenty-fifth to city limits.

Tenn., Huntingdon—Carroll County plans improving Trezevant road to Baxter's Hill, Nineteenth Dist.

Tenn., Jackson—City, R. E. Franklin, Commr. of Public Utilities, receives bids June 5 for 13,000 sq. yd. conc. pavement, 13,500 lin. ft. curb and gutter, storm water sewers, etc.; E. R. Dike, City Engr.

Tenn., Kingston—City plans expending \$100,000 for improving 12 streets in Districts 54 to 66, Borden Mills Village residential section: 45,885 sq. yd. conc. paving, 13,263 sq. yd. sidewalks, 14,390 cu. yd. excavation.

Tenn., North Chattanooga, Chattanooga—Town, W. S. Beck, Mayor, and Hamilton County Highway Comm., T. S. Wilcox, Chmn., Chattanooga, plan grading, cherting and oiling 39 streets, including Baker, Beck, Graham.

Tex., Asherton—City, E. F. Schumann, Mayor, plans \$45,000 street improvements. See Financial News.

Tex., Austin—City, P. W. McFadden, Mayor, plans resurfacing streets, etc., and bridges. See Financial News. 3-29

Tex., Anson—Jones County, Owen Thomas, Judge, plans .579 mi. mi. conc., Highway 1-A, Callahan County line to Shackelford County line; J. W. Puckett, Engr.

Tex., Athens—Henderson County, G. H. Curlee, Judge, plans 8.325 mi. grading, bridges, Highway 31, Murchison to Athens; S. J. Treadway, Res. Engr.

Tex., Baird—Callahan County, W. C. White, Judge, plans .649 mi. conc., Highway 1-A, Callahan County line to Jones County line; W. J. Van London, Res. Engr.

Tex., Bay City—Matagorda County, Arthur Harris, Judge, plans 7.332 mi. grading, bridges, Highway 58, Pheasant to Palacios; E. N. Gustafson, County Engr.

Tex., Benjamin—Knox County, O. W. Lee, Judge, plans 13.181 mi. grading, bridges, Highway 30, Baylor County line to Haskell County line; H. S. Kerr, Res. Engr.

Tex., Clarksville—Red River Commrs. Court plan grading, improving and maintaining 4 mi. highway to proposed bridge at Shult's Crossing, Red River, to connect with Clarksville-Albion road; Austin Bridge Co., 1813 Clarence St., Dallas, reported, has permit to build bridge; McCurtain County, Okla., plans improved road to bridge.

Tex., Coleman—Coleman County, C. L. South, Judge, plans 8.30 mi. grading, bridges, Highway 7, Taylor County line to Novice.

Tex., Corpus Christi—Nueces County Commrs. Court considering plans to widen Aqua Dulce road to 80 ft.; widen Agnes St. extension to 80 ft. to road from Robstown.

Tex., Corpus Christi—City, J. T. Wright, Sec., receives bids June 5 to pave Nineteenth St., San Patricio road, with asphalt top, conc. base; curbing, storm sewers, etc.; P. G. Lovenskiold, Mayor.

Tex., Cuero—DeWitt County, Stanley Kulawik, Judge, plans 6.640 mi. grading, bridges, Highway 72, Smith Creek, through Nordheim to Karnes County line, \$40,000.

Tex., Dallas—City Comm. plans widening, opening and straightening Carroll Ave., Gurley St. to Haskell Ave.

Tex., Dallas—City, R. E. Burt, Mayor, plans surfacing street from Knox St., Highland Park to Ross Ave.; E. A. Wood, City Engr.

Tex., Dallas—City Comm. plans widening N. Akard St., Ross Ave. to Cedar Springs road; widen N. Ervay St., Pacific to Ross Ave.; Cedar Springs, Orange to Maple Ave.; E. A. Wood, City Engr.

Tex., Donna—Gulf Coast Line of Missouri-Pacific Ry., C. S. Kirkpatrick, Ch. Engr., Houston, plans grading railroad crossings in Donna.

Tex., Denton—City Comm. plans paving Oakland Ave., Hann Ave. to McKinney; B. W. McKenzie, Mayor.

Tex., Edinburg—Hidalgo County, A. W. Cameron, Judge, plans \$500,000 roads, Dist. 4. See Financial News.

Tex., Edinburg—Hidalgo County, Cam E. Hill, Clk., plans expending \$750,000 for 36 mi. paving, 8 mi. graveling, Road Dist. 3, Adamo Dist. See Financial News.

Tex., Elgin—City plans receiving bids to Tarvia First St., Turner Lumber Co., to Owl garage.

Tex., Fort Worth—City, O. E. Carr, Mgr., and Tarrant County Commrs., Damon Davis, Engr., plan letting contract this summer to complete Camp Bowie Blvd., Sanguinet St. to city limits, and from city boundary to Kute-man cutoff.

Tex., Galveston—Galveston County, E. B. Holman, Judge, plans receiving bids for 1½ mi. 20-ft. wide asphalt topping Sixty-first St., Broadway to Ave. S; 5-ft. shoulder on each side; \$15,000; C. C. Washington, Engr.

Tex., Galveston—Galveston County Commrs. Court plans receiving bids to shell Port Bolivar-High Island road.

Tex., Galveston—City, E. H. Ivey, Streets Commr., plans asphalt topping Twenty-first St.

Tex., Hallettsville—Lavaca County, C. L. Stavino, Judge, plans 10 mi. grading, bridges, Highway 109, Road Dist. 3, Fayette County line, through Moulton, to Shiner Dist. line, \$54,000; W. H. Koether, Engr., Yoakum.

Tex., Houston—Harris County, Norman Atkinson, Judge, plans 10,763 mi. grading, bridges, surfacing, Highway 73, Katy road, Addicks to Katy; A. J. Wise, Engr.

Tex., Karnes City—Karnes County, D. O. Klingeman, Judge, plans 7 mi. grading, bridges, Highway 112, Karnes City to San Antonio River, Dist. 3; 4 mi. Road Dist. 4; 17 mi. Road Dist. 7, from Road Dist. No. 1 line to Wilson County line, near Nixon; H. P. Stockton, Jr., Engr.

Tex., Kermit—Winkler County Commrs. Court receives bids June 25 for hard surfaced road, connecting Wink and Kermit, then south toward Bankhead Highway, to Ward County; \$600,000 available. 5-10

Tex., Lancaster—City Council plans \$11,000 to pave square, and streets on Main and Center St.; probably conc. See Financial News.

Tex., Palestine—City, Mayor Duncan, plans street paving in residence section.

Tex., Palestine—Anderson County, E. H. Shelton, Judge, considering hard surfacing Palestine-Elkhart road.

Tex., Raymondville—Willacy County Commrs. plan letting contract middle of June to pave highway, Road Dist. 3, Raymondville to Lasara, then to Hargill, through Mestenas tract; J. E. Johnson, Engr.

Tex., Raymondville—Willacy County, A. B. Crane, Judge, plans expending \$500,000 for roads in Improvement Dist. 2. See Financial News. 5-17

Tex., Raymondville—Willacy County, A. B. Crane, Judge, plans 8,217 mi. grading, bridges, Highway 96, Raymondville to Kennedy County line; J. E. Johnson, Engr.

Tex., Richmond—Fort Bend County, W. I. McFarlane, Judge, plans 15,955 mi. grading, bridges, Highway 12, Wharton County line to Rosenberg; Bert Hedick, County Engr.

Tex., Rockdale—Bruce Gentry, City Engr., San Benito, awarded engineering contract on \$300,000 paving in Rockdale. 5-10

Tex., San Antonio—Bexar County Commrs. appropriated \$9000 to extend Roosevelt Ave. 4000 ft., to Riverside Drive.

Tex., San Antonio—City plans \$600,000 to widen and straighten, and \$750,000 to grade and pave various streets. See Financial News.

Tex., San Antonio—City Comm., Fred Fries, City Clk., may widen 7 blocks San Pedro St., to 60 ft., Warren St. to Dewey Place; I. Ewig, City Engr.

Tex., Sanderson—Terrell County, G. F. Henshaw, Judge, plans 1,425 mi. grading, bridges, Highway 82, Sta O plus OO to Sta 66 plus 50, Big Hill Project; John Stovall, County Engr.

Tex., Sherman—Grayson County, R. H. Carter, Judge, plans 452 mi. grading, bridges, Highway 6, Travis St. to Sherman; J. G. Rollins, Res. Engr.

Tex., Sterling City—City plans receiving bids to pave 3 or 4 streets.

Tex., Throckmorton—Throckmorton County, J. L. Robinson, Judge, plans 15.85 mi. grading, bridges, Highway 23, Throckmorton to Shackelford County line; Jas. E. Pirie, Engr.

Tex., Tyler—Smith County plans about \$20,000 for 6 mi. 2-course asphalt surface

treatment, Jim Hogg Highway, between Duck Creek and Sabine River.

Tex., Tyler—Smith County Commrs. Court plans asphaltting 3 mi. highway, Troup to Arp; gravel road, from Troup to Cherokee County line; asphalt later.

Tex., Weslaco—City receives bids June 19 for 70,000 sq. yd. conc. bitulithic, rock asphalt paving, 50,000 ft. curbing, gutter, 5 mi. sidewalks; \$200,000; Ben T. Sanders, City Engr. 5-10

Tex., Whitesboro—City plans paving Main St. through center of town, connecting with county highways to be built.

Virginia—State Highway Comm., Richmond, received low bid from Roberts Paving Co., Salisbury, Md., \$124,229, for 4.8 mi. conc. Route 24, Accomac County; Harrison-Wright Co., Inc., 4 W. Third St., Charlotte, N. C. \$101,831, for 1108 ft. rein. steel Nottaway River Bridge, Route 12, Southampton County. 5-10

Va., Norfolk—City, I. Walke Truxton, Mgr., received low bid from Brooks Construction Co., \$86,600, for conc. Norview Ave., between Fifteenth View and Ninth View, Willoughby's second roadway; install curb, etc. 5-17

Va., Princess Anne—Princess Anne County plans \$300,000 to \$400,000 road improvement; \$60,000, hard surface waterworks road beyond Moore's Bridges pumping station; improving north and south roads, connecting Lynnhaven-Ocean View and Waterworks road and Virginia Beach Blvd. See Financial News.

Va., Richmond—City, J. Fulmer Bright, Mayor, plans expending \$2,600,000 for permanent improvements including \$500,000 for streets, etc., including paving Marshall, Main; R. Keith Compton, Dir. of Public Works.

West Virginia—State Road Comm., Charleston, received low bids for tar surfacing on 5 roads: Boone County—30.2 mi. Kanawha to Logan County line, Southern Oil and Tar Co., Clay and River Rd., Louisville, Ky., \$23,970; Fayette County—2.8 mi. Lookout-Winla road, R. B. Tyler & Co., 114 S. Fourth St., Louisville; Greenbrier County—3.9 mi. White Sulphur-Virginia State road, C. G. Fuller & Co., Smallbridge Bldg., Charleston; 6.6 mi. Second Creek-Ronceverte road, Southern Oil and Tar Co., \$6081; Kanawha County—11.1 mi. South Malden-Boone County road, Southern Oil and Tar Co., \$26,783. 5-3

W. Va., Clarksburg—City Council plans completing street, from W. Main St. to Washington Ave.; 20 to 22-ft. driveway; 5-ft. sidewalks.

W. Va., Huntington—City, Homer L. Yeich, Commr. of Streets, receives bids June 11 to grade and gravel East Eighth Ave., end of present paving to Thirty-first St.

W. Va., Point Pleasant—State Road Comm., Charleston, authorized 5 mi. gravel surface, Huntington-Point Pleasant road, Ben Lomond to Gallipolis Ferry, Mason County; plans 5 mi. gravel, between Gallipolis Ferry and Point Pleasant.

W. Va., Sutton—State Road Comm., Charleston, receives bids June 19 for 4 mi. grading, draining Napier-Bulltown road, Braxton County.

W. Va., Wheeling—City, Charles Banig, Service Dir., plans paving with brick, Noble St., Thirty-fourth to Thirty-seventh; cover with thin coat of conc.

W. Va., Weston—State Road Comm., Charleston, receives bids June 12 for 6 mi. top-surface, Weston-Linn Highway, Route 5.

Contracts Awarded

Ala., Ashville—State Highway Comm., Montgomery, let contract to Morgan-Hill Const. Co., Woodward Bldg., Birmingham, to asphalt Gadsden-Birmingham Highway through St. Clair County.

Ala., Birmingham—Jefferson County Bd. of Revenue let contract to Dunn Construction Co., Lincoln Life Bldg., \$13,680 for .85 mi. 18-ft. 1½-in. Warrenite bitulithic top, conc. base paving, Smyer Road Extension. 5-3

Ala., Mobile—State Docks Comm., Gen. Wm. L. Sibert, Chmn., let contract to Doullut & Erwin, to pave main drive and pier connection branches, from south side of docks property, along west side of piers, in connection with paved roadways for traffic at new Alabama State docks. 5-10

Ala., Montgomery—City, W. L. Jackson, Clk., let contract to R. G. Lassiter Construction Co., First Natl. Bank Bldg., \$18,000, to pave Dexter Ave., Court Sq. to Lawrence St.

Arkansas—State Highway Comm., Little Rock, let contracts for 7 roads and 7 bridges and earth embankment approaches: Lee County—9 mi. grading, draining, gravel surface, Tongin-Southeast road, S. K. Jones Construction Co., Cotton Exch. Bldg., Memphis, Tenn., \$61,786; Nevada and Clark Coun-

ties—9 mi. grading, draining, Whelen Springs-Gurdon road, J. G. Newkirk, Doddridge, Ark., \$24,538; Washington County—6½ mi. Prairie Grove-Cane Hill road, Winsted & Gunter, Siloam Springs, \$28,981; White County—2 mi. Pangborn-Searcy road, Thomas H. Clay, Malvern, \$37,556; Jackson County—9½ mi. Newport-Tupelo, F. D. Harvey & Co., Jonesboro, La., \$23,611; Boone County—11½ mi. Harrison-Marshall, Cook & Ransom, Ottawa, Kan., \$82,451; Greene County—11½ mi. grading, draining, gravel surface, Paragould-North road, Lahar Bros., Piggott, \$88,013; Washington County—90-ft. rein. conc., Muddy Fork Bridge, Fayetteville-Springdale road, C. H. Atkinson Co., Chillicothe, Mo., \$13,451; Sharp County—811 ft. rein. conc. bridges, 844 ft. earth embankment approaches, Evening Shade-Ash Flat road, Fred Lutjohann, Topeka, Kan., \$76,726; Pope County—604 ft. timber, steel and rein. conc. bridges, 2700 ft. earth embankment approaches, Atkinson-Hector road, Maxwell Construction Co., Columbus, Kan., \$40,053; Logan County—516 ft. steel and rein. conc. bridges, 542 ft. earth embankment approaches, Charleston-Paris road, Carter Construction Co., Little Rock. 5-10

Ark., Camden—Bd. of Commrs., Street Improvement Dist. 11, let contract to Reynolds & Sons, \$15,000, grade, drain, curb gutter and 6-in. rein. conc. paving, 5 blocks of streets. 3-15

Ark., Paragould—Lahar Brothers, Box B. Macks Creek, Mo., has contract for gravel surface and drainage structures on "Lone Star" Highway, north of Paragould to Clay County line.

Ark., Van Buren—State Highway Comm., Little Rock, let contract to Shultz Construction Co., Wichita, Kan., \$292,718, for 2 sections roads, totaling 16½ mi., Crawford County.

Ga., Clayton—Billeter & Oliver Brothers have contract for street and sidewalk paving.

Ky., Paducah—City, E. R. Bradshaw, Commr. of Public Works, let contract to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., \$48,000, to pave with sheet asphalt, cement conc. base, Myers Bridge, North Sixth, North Seventh and Madison St. 5-17

La., Amite—Tangipahoa Parish Police Jury let contract to J. H. Newton Construction Co., \$50,000, for roads in Dist. 1.

Mo., Carthage—City let contract to Independent Gravel Co., Carthage, to resurface with Amiesite, Main St., Central Ave. to Fifth St. 5-3

Mo., Joplin—City let contract to V. E. Koch, 702 N. Pearl St., \$1.57 per sq. yd., to pave Wall St., Tenth to Twenty-first; H. Kost, conc. sidewalks, Pearl St.

Mo., Kansas City—Mathew S. Murray, Dir. of Public Works, let contract to Kelly-Welsh, \$28,754, to pave Thirty-first, Summit St. to Roanoke road.

Mo., Mexico—Tidd & Primm, Hutchinson, Kan., have contract, \$17,581, for 7 blocks paving.

Mo., Warrensburg—City let contract to C. L. Johnson, Warrensburg, to pave 3 blocks, Depot, King and Madison St.; 30 cents lin. ft. for curbing; \$2.77 sq. yd. paving.

Oklahoma—State Highway Comm., Oklahoma City, let contracts for 5 roads and bridges: Canadian County—9.3 mi. grading, draining, Okarche south, J. E. Smith & Son, Noble, \$34,057; George E. Rice, Bethany, \$22,285; Washita County—21 mi. grading, draining, Beckham County line to Cordell, Maney & Alley, Empire Bldg., Oklahoma City, \$98,974; 13.5 mi., Cordell, south, J. E. Smith & Son, \$53,201; Oklahoma County—4 mi., Arcadia to Luther, Taylor & Ounger Brothers, Blanchard, \$24,125; Lincoln County—14.16 mi., Chandler to county line, Richards & Moorman, Cushing, \$99,418; Canadian County—bridges from Okarche, south, Turner & Ayres, Durant, \$11,454; Washita County—bridges, between Beckham County line and Cordell, Southwestern Bridge and Culvert Co., Herskowitz Bldg., Oklahoma City, \$39,293; Osage County—bridges, east of Barnsdall, E. G. Fike & Co., 114½ E. Second St., Tulsa, \$36,666. 5-10

Okl., Oklahoma—Earl W. Baker Co., 200 W. 18th St., has contract to grade East Fourth St.

Okl., Shawnee—City, J. C. Coleman, Clk., reported, let contract to H. L. Cannady Co., 1116 S. Lewis St., Tulsa, \$900,000, for paving, Dist. 61.

Tenn., Tiptonville—Lake County Hard Roads Comm., A. E. Markham, Chmn., let contract to Damon Headden, \$2.80 per cu. yd. for 9 mi. Tiptonville-Bessie road; County doing sub-grading, etc. 4-19

Tex., Clarksville—City Council let contract to Janes Contracting Co., 805 Trunk St., Dallas, for 16 blocks paving.

Tex., Comfort—City let contract to Colglazier & Hoff, 125 Crosby St., San Antonio, to Tarvia High St. through town.

Tex., Dallas—City Comm. let contract to Central Bitulithic Co., Praetorian Bldg., 413, to pave Wood St., Poydras to Santa Fe R. R. tracks; to Smith Bros., American Natl. Bank Bldg., \$7969, to pave Galloway St., Denley Drive to Interurban right of way.

Tex., Eagle Pass—Alamo Paving Co. has contract to asphalt treat highway from Eagle Pass to Dimmitt County line.

Tex., Houston—City, W. A. Moore, Sec., let contract to A. M. Arnold & Co., 1622 Elder St., for 3-in. brick on 8-in. conc. base paving, Roanoke St., between Hill St. Bridge and Brighthouse St.

Tex., Laredo—City let contract to Henry B. Zachry Construction Co., Laredo, for 4 mi. 18-ft. paving, Market and Guadalupe St. Meadow and San Bernado Ave. 5-10

West Virginia—State Road Comm., Charleston, let contracts to cold tar surface 10 sections of highways: Monroe County—4 mi. Wolf Creek road, C. G. Fuller & Co., Smallbridge Bldg., Charleston, \$5795; Raleigh County—5 mi. Beckley-Harper road, Southern Oil and Tar Co., Clay and River road, Louisville, Ky., \$5049; Monroe County—6 mi. Union-Second Creek road, National Bituminous Construction Co., West Alexander, Pa., \$7427; Raleigh County—6.3 mi. Crab Orchard-Slab Fork road, Southern Oil and Tar Co., \$5720; Shady Springs—Mercer County line road, Southern Oil and Tar Co.; Summers County—5 mi. Hinton-Jumping Branch, Southern Oil and Tar Co. 5-3

Sewer Construction

Ala., Birmingham—See Roads, Streets, Paving.

Ala., Birmingham—E. H. Reeder Const. Co., 501 Eighth Ave., W., has contract at \$185,765 for storm sewers, terra cotta pipe, 15-in. to 24-in. and monolithic conc., 30-in. to 6-ft.

Ala., Columbiana—City having surveys made for sewer system. 5-3

Ala., Mobile—See Roads, Streets, Paving.

Ark., Mulberry—See Water Works.

Ky., Lexington—James A. Hanly low bidder for sanitary sewer on Smith St.

Ky., Louisville—Longley & Co., 3300 Bohannon Ave., has contract at \$94,039 for Whitney Ave.-Berry Blvd. sewer, Section B; Woolsey M. Caye, Technical Engr. 4-26

Ky., Richmond—City receives bids June 1 for sewers. See Want Section—Bids Asked.

Md., Baltimore—Bd. of Awards receives bids June 6 for sanitary sewers and storm drains in miscellaneous sewer districts. See Want Section—Bids Asked.

Md., Salisbury—City constructing water works and sewers; \$750,000; F. H. Dryden, City Engr. in charge. 5-24

Miss., Clinton—Town let contract to B. E. Walker Construction Co., Jackson, for complete sewer system; clay pipe sewer; patented settling tank and contact beds; Morgan & Co., Engrs., Edwards Bldg., Jackson. 5-17

Miss., McComb—See Roads, Streets, Paving.

Mo., Jefferson—City receives bids June 4 for sewers in Dist. No. 37. See Want Section—Bids Asked.

Mo., St. Charles—City plans sewer system extension; \$50,000 bonds available. 3-22

Mo., St. Joseph—Riley Contracting Co. has contract at \$41,900 for northeast fork of Whitehead public main sewers.

Mo., St. Louis—George G. Prendergast low bidder at \$480,000 for Eastern Rocky Branch Relief sewer and R. J. Blackburn, at \$211,000 for first section Southwestern Joint sewer. 5-10

Mo., Troy—City votes June 5 on \$45,000 sanitary sewer bonds.

N. C., Forest City—Cochran and Ross Co., 601 W. Sixth St., Charlotte, have contract at \$10,000 to lay 10,000 ft. of sewer lines with necessary appurtenances and water line extensions. 5-10

Okla., Chickasha—City plans vit. clay sewers in 12th, 14th and Euclid Sts. 3-18

Okla., Enid—City voted sewer bonds. See Financial News.

Okla., El Reno—City plans sewer extension in District 20; E. W. Fassett, Engr.

Okla., Garber—City plans sewage disposal plants, outfall plant, etc.

Okla., Muskogee—City plans vit. clay sewers in 17th, Kiskapoo and Nebraska Sts.

Okla., Oklahoma City—City soon begin construction Agnew Ave. storm sewer; Wm. W. Small, City Engr.

Okla., Oklahoma City—Green Constr. Co., 519½ W. Main St., has contract for conc.

sewers in 33d, 34th and 35th Sts. Shields Addn., and to W. B. Carter, 7 N. Rockford St., Tulsa, for conc. sewer in Oliver Park Addn.

Okla., Shawnee—H. L. Cannady Co., 1116 S. Lewis St., Tulsa, has contract at \$250,000 for sewers in Dist. No. 111. 5-17

Okla., Tulsa—Roach & Wood, low bidders for sanitary sewer in Dist. No. 271.

Tenn., Jackson—See Roads, Streets, Paving.

Tex., Asherton—City votes June 16 on \$25,000 sewer bonds.

Tex., Austin—City voted sewer bonds. See Financial News. 3-29

Tex., Corpus Christi—See Roads, Streets, Paving.

Tex., Galveston—City receives bids June 7 for 45,160 ft. of 8 to 18-in. sewers.

Tex., Houston—City plans storm sewers in N. Main St. and Sampson St., cost \$80,000.

Tex., Pearsall—City voted not to grant franchise for building sewer system. 5-10

Tex., Quitaque—M. R. Diggs, 702 N. Glasgow St., Dallas, granted franchise to install sewer system; cost \$35,000.

Tex., San Antonio—City voted \$1,250,000 bonds for sewage disposal plant; \$500,000 for river improvements and storm sewers. 4-12

Tex., San Antonio—John W. Hawley and S. W. Freese, Cotton Exch. Bldg., Fort Worth, submitted proposition to city for designing and engineering work in connection with installation sewage disposal plant; \$1,250,000 bonds available for sewage disposal plant and \$500,000 for river improvements and storm sewers. 4-12

Tex., Weslaco—Kirkwood, Wharton & Lee Harlingen, has contract for sewer and canal replacement; B. T. Sanders, City Engr.

W. Va., Huntington—Bd. of Commrs. receives bids June 4 for Third St., Seventh St., and Second St. sewer. See Want Section—Bids Asked.

Telephone Systems

La., Sulphur—Cameron Telephone Co., incorporated; W. T. Henning, Sulphur; Val Irion, Lake Charles.

Missouri—Missouri River Telephone Co., Kansas City, acquired 6 exchanges operated by Missouri City Telephone Co., at Missouri City, Elmira, Hardin, Rayville, Orick, and exchange under construction at Henrietta.

Textile Mills

Ala., Albertville—F. H. Filley, Pres., American Mfg. Co. (Manufacturers of rope, twine, packing and oakum), Noble and West Sts., Brooklyn, N. Y., advises: The Saratoga Victory Mills, Inc., a new corporation, will establish a 15,000-spindle mill with about 500 looms in Guntersville, Ala., and similar plant in Albertville, Ala.; Robert & Co., Inc., Engr., Atlanta, Ga.

Ala., Guntersville—See Ala., Albertville.

Ala., Huntsville—Earl Cline has contract for \$110,000 mill unit for Erwin Mfg. Co.; 2 story, brick walls, comp. roof; sprinkler system, maple floors. 4-19

Ga., Calhoun—Potter & Shackelford, Allen Bldg., Greenville, S. C., low bidder for mill unit for Calhoun Cotton Mills; 2 story; steel and wood joist; built-up roof; steel sash and doors; J. E. Sirrine & Co., Engrs., Greenville, S. C. 5-17

Ga., Calhoun—Echota Cotton Mills let contract to Fiske-Carter Construction Co., 121½ W. Main St., Spartanburg, S. C., for addition to mill; main addition, 154x185 ft., 1 story; warehouse 100x100 ft.; opener room, 25x100 ft.; install 6000 additional spindles. 5-17

Ga., Elberton—Susquehanna Silk Mills, 149 Madison Ave., New York, parent company of Seaboard Silk Mills, Elberton, and with plants at Pennsylvania, New Jersey, Ohio, offering through Lee, Huggins & Co., and The National City Co., both New York, \$8,000,000 10 year 5% sinking fund gold debentures at \$96 and accrued interest to yield over 5½% proceeds to be used to retire \$500,000 6% first preferred stock at par, to pay indebtedness and provide working capital.

North Carolina—Cannon Mills Co., main office, Kannapolis, reported, to be formed by consolidation nine mills in Cannon chain; mills included in merger are: Cannon Mfg. Co., and Cabarras Cotton Mills at Concord and Kannapolis; Gibson Mfg. Co., Franklin Cotton Mills, Norcott Mfg. Co., and Hobartton Mfg. Co., all of Concord; Kessler Mfg. Co., Mount Pleasant; Barringer Mfg. Co., Rockwell; Patterson Mfg. Co., China Grove; company will have 1,000,000 shares of no par common stock and \$700,000 of preferred.

N. C., Andrews—Board of Alderman interested in establishment of hosiery mill; city to raise \$25,000.

N. C., Asheboro—Cetwick Silk Mills, let contract to Burrow and Lamb, Asheboro, for silk throwing plant. 5-10

N. C., Belmont—Stowe Thread Co. let contract to W. O. Pratt, Mt. Holly for plant; contract for electric wiring, heating and sprinkling will be let later; mill will be equipped to make No. 40/2 ply yarn; story, 130x360 ft., arranged for later extension; daylight construction with broad monitor; construction to begin as soon as railroad siding is completed; R. C. Biberstein, Archt. and Engr., Charlotte. 5-24

N. C., Burlington—Piedmont Weavers, Inc., capital \$100,000, incorporated; J. Spencer Love, Spring St.; W. J. Carter.

N. C., Elizabeth City—Elizabeth City Hosiery Mills, let contract to Alfred Hofmann, Inc., West New York, N. J., for type H high speed loopers.

N. C., Greensboro—Ritch Mfg. Co., capital \$100,000, incorporated; J. S. Duncan, Jefferson Bldg.; manufacture silk and cotton products.

N. C., High Point—Melrose Hosiery Mills installing 40 Scott and Williams spiral 300-needle machines; production 160 doz. hose daily; manufacture ladies pure thread silk, fish net stockings; will not do any building at this time.

N. C., Lexington—W. Lee Harbin Construction Co. has contract for plant for Mountcastle Knitting Co.; 50x140 ft., 2 story with basement, 50x70 ft., dye house, 20x40 ft., boiler house, 20x30 ft.; steel beams and columns with steel sash with underwriters label; Carolina Steel and Iron Co., S. Elm St., Greensboro, for steel and steel sash, glass; Hood Brick Co., 1206 S. Boulevard, Charlotte, for furnishing brick; C. M. Thompson Sons, Lexington, for all lumber.

N. C., Oxford—J. J. Redyke, 322 Lincoln Ave., Clearwater, Fla., has secured Delaware charter for Southern Silk Yarns Corp., with capital of \$500,000; manufacture all kinds of silk yarns for hosiery and knit goods trade also for weaving trade; will give out plans and specifications this week for first unit to be built at Oxford; unit will be operated on high quality hosiery yarns with capacity of about 2000 lbs. weekly; will probably be known as Oxford Silk Yarns Co., and will be a subsidiary of Southern Silk Yarns Corp.; will erect 4 of these units in different locations in North Carolina, not yet selected.

N. C., Winston-Salem—Following sub-contracts let for P. H. Hanes Knitting Co.'s power plant, Northeastern Construction Co., Nissin Bldg., Winston-Salem, Gen. Contrs.; boilers, Helne Boiler Co., 5319 Shreve St., St. Louis, Mo.; turbo generators, Ailis-Chalmers Mfg. Co., Milwaukee, Wis.; stokers, Riley Stoker Corp., Worcester, Mass.; structural steel, McClintic-Marshall Co., Pittsburgh, Pa.; Mees & Mees, Engrs., Johnston Bldg., Charlotte, N. C. 5-17

S. C., Gaffney—Fiske-Carter Construction Co., 121½ E. Main St., Spartanburg, has contract for 3 story mill building for Gaffney Mfg. Co.; 284x113 ft.; 3 stories with shafting basement; struct. steel frame with brick exterior walls; standard mill construction; wood floors; tar and gravel roof; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 5-3

S. C., Greenville—Merger of Brandon Mills, Poinsett Mills, both Greenville, and Woodruff Cotton Mills, Woodruff, into Brandon Corp., with capital of \$9,500,000 formally approved by stockholders; will have total of 167,000 spindles and 391 looms; will also control Renfrew Mill, now under construction at Travelers' Rest; contemplates enlarging Renfrew Mill. 3-15

S. C., Pendleton—Pendleton Mfg. Co. has plans by J. E. Sirrine & Co., Engrs., Greenville, for mill unit; opens bids June 4 for construction; brick walls; wood joist; built-up roof; sprinkler system; wood and conc. floors; following contractors estimating: Gallivan Building Co., Gallivan Bldg.; Fiske-Carter Construction Co., Masonic Temple, both Greenville; C. M. Guest & Son, N. McDubie St., and Townsend Lumber Co., 206 Townsend St., both Anderson.

Tenn., Dyersburg—Adrian Knitting Mills having plans prepared by Robert & Co., Archt., Bona Allen Bldg., Atlanta, Ga., and will call for bids in about 3 weeks for knitting mill, boiler house, 2 warehouses, mill village; rein. conc. and brick construction; built-up roof; conc. and wood floors; sprinkler system; steam heat. 5-3

Tex., Dallas—E. W. Morton, 304½ S. Harwood St., and J. O. Davis, 703 N. Glasgow St., acquired 6 acre tract on Maple Ave. Rd., for full fashioned silk hosiery mill; plans under way in 60 days; install 12 machines.

Va., Richmond—American Enka Corp., 114

E. 32d St., New York, incorporated with authorized capital of 500,000 shares of common stock of no par value of which 400,000 are to be issued at once; company is controlled by Enka Artificial Silk Co., Holland, Dr. J. C. Hartogs, Pres.; has option on site east of Richmond on James River for plant with capacity of 30,000 to 35,000 lbs. rayon daily. 5-3

Water Works

Ark., Fayetteville—Board of Managers city water plant plans installing 10-in. water main.

Ark., Mulberry—City soon take bids on water works pumping and filter plant, sewerage system, etc.; cost \$85,000; Dickinson & White, 610 Boyle Bldg., Little Rock, Engr.

Fla., Melbourne—City receives bids June 5 for water works improvements. See Want Section—Bids Asked.

Fla., Miami—City, Welton A. Snow, Mgr., considering installation high pressure main for fire fighting, Biscayne Blvd.; \$33,000.

Ga., Barnesville—City plans 500,000 gal. filtration plant pumping station; Wiedeman & Singleton, Engrs., Candler Bldg., Atlanta.

Ga., Butler—City votes June 15 on \$25,000 bonds for installing equipment for water works.

Ga., Macon—Board of Water Comms. install water in Western Heights section.

La., Olla—City let following contract for water works: Layne-Louisiana Co., 210 Broad St., Lake Charles, for well; A. M. Lockett & Co., Queen and Crescent Bldg., New Orleans, air lift pump, and general pumping equipment; Chicago Bridge and Iron Works, 37 W. Van Buren St., Chicago, Ill.; Dixie Mill and Supply Co., 901 Tchoupitoulas St., New Orleans; R. Deselle, Chaneyville, for installing pipe and for general work.

La., West Monroe, P. O. Monroe—City opens bids June 4 for constructing third water well, supply 750 gals. per minute.

Miss., Pelahatchie—Town plans installing sewerage system, receives bids about July 1; Morgan & Co., Inc., Conslt. Engrs., Edwards Hotel Bldg., Jackson.

Miss., McComb—See Roads, Streets, Paving.

Mo., St. Louis—Bd. of Public Service receives bids June 19 for sludge handling machinery and for installing other material at Missouri River plant, Howard's Bend.

N. C., Forest City—See Sewer Construction.

N. C., Thomasville—See Roads, Streets, Paving.

Okla., Enid—City voted water works bonds. See Financial News. 4-26

Okla., Erick—City plans expending \$105,000 for water supply, mains extensions; J. A. Richardson, Ck.

Okla., Komalty—City plans water works. H. Sullivan, Engr., Temple.

Okla., Medford—City plans expending \$20,000 for water main extensions.

Okla., Norge—City plans water works; R. C. Whiteneck, Engr., 1200 W. 22d St., Oklahoma City.

Okla., Tulsa—Tulsa City Comsn. authorized purchase of 6 tracts of land for water works extension and protecting high pressure water lines.

Tex., Austin—City has had survey made of water distribution system under direction of Charles M. Mower, Supt. of Pittometer Co., 5311 Kenmore Ave., Chicago, Ill.; Albert R. Davis, City Engr.

Tex., Edinburg—Hidalgo County Water Control and Improvement Dist. No. 10, petitioned Comms. Court for permission to incorporate, expend \$3,800,000 in proposed district in and around Mercedes in Cameron and Hidalgo counties.

Tex., Littlefield—City will construct storage reservoir, install booster pumps, expend \$10,000; Montgomery & Ward, Engrs., Harvey-Snyder Bldg., Wichita Falls. 5-27

Tex., Marble Falls—City defeated \$50,000 water bonds. 5-3

Tex., Round Rock—City expend \$25,000 for water works.

Tex., Stinnett—City plans \$30,000 water works.

Tex., Lovelady—City plans water works improvements. See Financial News.

Tex., Weslaco—City having plans prepared for water filtration plant; B. T. Sanders, City Engr.

Woodworking Plants

Ark., Fort Smith—Ward Furniture Mfg. Co., 1200 N. First St., James A. Ward, V.-Pres., erect addition; conc., 2 stories, 40x100 ft.; John R. Murphy, Contr., 1504 S. P St.

Fla., Lake Worth—Best Crate and Hamper Co., Inc., Eighth and H Sts., plans erecting building. See Want Section—Machinery and Supplies; Building Material and Equipment.

Tex., Harlingen—Silvers Box Co. erect \$10,000 factory to manufacture boxes and crates.

FIRE DAMAGE

Ark., Arkadelphia—Sloan High School for Negroes, S. D. Hildreth, Prin.; loss \$12,000.

Ark., Paragould—R. R. Lemon's residence.

Ark., Trumann—Singer Side block owned by R. H. Martin and M. T. Burns; loss \$30,000.

Fla., Panama City—Panama Theater; loss \$15,000.

Ky., Belle Point—Belle Point Lumber Co.'s plant; loss \$75,000; Henry and Harvey H. Hensley, owners.

Ky., Newton—J. M. Hopkins' residence.

La., Alexandria—Rapids Golf and Country Clubhouse, Fred Knight in charge; loss \$15,000.

La., Bogalusa—M. Marx's 2 buildings, \$55,000; Henry Bldg. and Household Store, owned by Mrs. W. G. Henry Estate, \$50,000; theater of Pine Tree Amusement Co., Paul A.

Tessier, Pres., Chicago; A. M. Goldman's building; J. Goldman's store.

La., Frierson—Nabors-Williams Lumber Co.'s plant; loss \$10,000.

La., Haughton—Dr. J. K. Sheppard's building; R. L. McAnn's building.

Mo., Ashland—Trade Center Store; Bank of Ashland; Wm. Claypool's store; loss \$100,000.

Mo., Joplin—Rogers Iron Work Co.'s foundry; loss \$15,000.

Mo., St. Louis—Levens Hudson-Essex Co.'s garage, Gravois Ave. and Cherokee St.; loss \$65,000; Edward H. Lebens, Pres., 4232 W. Pine Blvd.

N. C., Charlotte—W. W. Davis' store and apartment, Grayson Park; loss \$10,000.

N. C., Henderson—Carolina Bagging Co.'s storage warehouse, South Henderson; loss \$40,000.

Okla., Cardin—Mill at Jack and Jill Mine; Domado Lead and Zinc Co., owner.

Okla., Oklahoma City—Long-Bell Lumber Yards, Grand and Francis Aves.; loss \$250,000.

Tenn., Knoxville—McTownlee Bldg., Clinch Ave. and Market St., occupied by Style Shop and Todd & Armistead.

Tex., Dallas—Building at 1108 Commerce St. occupied by Brown-Fox Dress Co., National Printing Co., and A. M. Brown Supply Co.

Tex., Houston—R. L. Whitehead's residence, 4816 Chenevert St.; loss \$10,000.

Tex., Valley View—Baptist Church; loss \$7500. Address The Pastor.

W. Va., Elkins—Peoples Mercantile Co.'s store; loss \$15,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ark., Fort Smith—Masonic Home Assn., Inc., Eighth and A Sts., receives bids June 11 for temple, N. 11th St. near B St.; \$300,000, Indiana limestone, 2 stories and basement, 63,730 sq. ft. floor space; auditorium seat about 1200; Geo. R. Mann, Wanger & King, Archts., A. O. U. W. Bldg., Little Rock; Haralson & Nelson, Asso. Archts., Merch. Bank Bldg., Fort Smith. 4-26

Ga., Macon—Al Shihah Temple, A. A. O. N. M. S. W. R. Rogers, Jr., member, Bldg. Comm., 375 College Ave., plans to start work by Aug. 1 on \$75,000 temple, Poplar St. and Cotton Ave. 3-1

La., Alexandria—Following contractors estimating on lodge building for Knights of Columbus, bids June 5 by W. F. Chapman, Pres., Columbian Catholic Assn.; E. R. Rabalais, Bunkle; Gremillion Bros.; R. L. Roland, Coml. Bank Bldg.; R. L. Jones, Pineville; Sandquist & Snow, Inc., of Louisiana, Haas Bldg.; A. A. Gremillion, 1526 Monroe St.; Tudor & Ratcliff, Coml. Bank Bldg., all Alexandria; Wm. R. Burk, Archt., Balter Bldg., New Orleans. 5-24

Mo., Kansas City—Salvation Army, Maj. R. F. Siretton in charge of Western Missouri-Kansas Div., 215 Mass. Bldg., having plans drawn by Henrici-Lowry Engineering Co., Security Bldg., for \$120,000 headquarters building, 1319-23 Broadway; brick, 4 stories. 7-21-27

Mo., St. Louis—Rose Hill Lodge, Edw. E. Christopher, Chmn., Bldg. Comm., 1211 Louderman Bldg., remodel building, Maple and Hamilton Aves.; plans by Mr. Christopher.

Okla., McAlester—Indian Consistory, A. A. S. R., A. I. Thomas, Sovereign Grand Inspector General of Oklahoma, having plans drawn by Wm. T. Schmitt, First Natl. Bldg., Oklahoma City, to enlarge and rebuild Scottish Rite temple; \$600,000 raised. 5-24

Tex., Arlington—American Legion plans clubhouse.

Tex., Midland—American Legion plans clubhouse.

Bank and Office

Ga., Atlanta—Fourth National Bank, John K. Ottley, Pres., purchased 55-ft. Marietta St. frontage for future improvements; advises property under 5-year lease.

La., New Orleans—American Bank and Trust Co., 140 Carondelet St., erect \$1,000,000 bank and office building, Carondelet and Common Sts.; steel frame, hollow tile floors, 20 stories, 106x107 ft., wood floors, comp.

roof, piling and rein. conc. foundation; Moise H. Goldstein, Archt., 1105 Hibernia Bldg.; Jens Braae-Jensen, Struct. Engr., 1232 Hibernia Bldg.; plans not drawn; constr. start in Oct. Address Mr. Goldstein. 5-24

Mo., St. Louis—Louis J. Hainey, reported, interested in erection of 12-story building, South Side, for doctors, etc.

Okla., Tulsa—Public Service Corp., Fred Insul, Pres., 1145 E. 16th St., probably let contract about June 15 for 5-story office building; stone, brick and terra cotta. 5-24

Tex., San Antonio—Alamo National Bank, 128 W. Commerce St., reported, plans building, St. Marys St. near Commerce; about 22 stories.

Tex., Woodboro—First National Bank has low bid for \$10,000 bldg. from E. E. McRoberts & Sons, Kingsville; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; Homer M. Matthews, Struct. Engr., 405 Bedell Bldg., San Antonio. 5-24

Churches

Ark., Brinkley—Methodist Church, T. C. Simmons, Chmn., Bd. of Stewards, ready for bids June 15 for \$30,000 building; brick, 1 story; Henry J. Kramer, Archt., Goodwyn Inst. Bldg., Memphis, Tenn. 2-16

Fla., Jacksonville—Riverside Park Methodist Church, J. H. Rogers, member, 1545 Post St., plans remodeling church and erecting Sunday school; \$75,000.

Fla., Jacksonville—Park Street M. E. Church, Rev. Fred Turner, Pastor, erect \$20,000 Sunday school annex; Mark & Sheftall, Archts., Clark Bldg.

Fla., Orlando—Central Christian Church, Paul Barnett, Chmn., Bldg. Comm., 415 E. Anderson St., erect \$30,000 bldg., Ridgewood Ave. and Cathcart St.; Spanish type, 3 stories, 50x110 ft., steel and conc. block; auditorium and balcony seat 700; Sunday school, 600 to 800; low bid from A. E. Arthur, Smith Bldg.

Fla., Pensacola—Mount Olive Baptist Church, Rev. David B. Moddana, Pastor, erect \$26,000 building, Alcaniz and LaRue Sts.

Md., Frederick—Calvary M. E. Church, Dr. G. Ellis Williams, Pastor, plans to start work in 6 weeks on \$250,000 Church, 2-story Sunday school and parsonage; Colonial type, Catoctin Mt. native stone; auditorium seat 900; parish hall seat 650; Jos. Urner, Archt., Court St., Frederick; plans approved by Bu-

reau of Architecture of M. E. Church, Philadelphia, Pa. 4-5

Miss., Coffeeville—Methodist Church, Rev. W. L. Robinson, Pastor, plans \$15,000 building; raising funds.

Miss., Monticello—Baptist Church, W. E. Selman, member, Bldg. Comm., plans \$25,000 building.

Mo., Ferguson, St. Louis—Ferguson Presbyterian Church, Dr. M. V. P. Yeaman, Pastor, having plans drawn by Trueblood & Graf, Chemical Bldg., for \$55,000 building; brick, 1 story. 5-17

Mo., University City, St. Louis—St. George P. E. Church, Rev. R. E. Brock, Rector, 4301 Olive St., and St. Phillips P. E. Church, Rev. H. S. Ablewhite, Rector, 1214 Union St., reported, consider erecting building.

N. C., Winston-Salem—Centenary-West End M. E. Church, Jas. G. Hanes, Chmn., Bldg. Comm., Glade St., probably have plans for church, Sunday school and parsonage, W. Fifth St., ready in few weeks to submit to congregation; Mayers, Murray & Phillip, and Bertram Goodhue Associates, 2 W. 47th St., New York, archts. for church and Sunday school; Northup & O'Brien, Starbuck Bldg., Winston-Salem, archts. for parsonage; Gothic type, stone, auditorium seat 1800, Sunday school accommodate 2000. 3-8

Tenn., Dyersburg—Baptist Church, Fred Moore, member, receive bids in June for \$100,000 building; R. H. Hunt Co., Archt., James Bldg., Chattanooga. 4-17

Tenn., Knoxville—Kirkwood Presbyterian Church, Rev. W. T. Swaim, Pastor, plans \$10,000 Sunday school.

Tenn., Memphis—Eastern Heights Baptist Church, Rev. Wm. L. Smith, Pastor, considers erecting basement unit of building.

Tenn., Nashville—Humphrey Street Methodist Church, Atty.-Gen. Richard Atkinson, Chmn., Bldg. Comm., Criminal Court Bldg., plans building.

Tex., Hereford—First Baptist Church having plans drawn by Kramer & Kerr, Dallas, for \$80,000 building, Fifth and Main Sts.; T shape, 92x120x62 ft., 3 stories; H. Beauchamp, Const., Archt., 3205 Drexel Drive, Dallas.

Tex., Houston—Second Baptist Church, J. W. Neal, Chmn., Bldg. Comm., 301 Avondale Ave., erect \$150,000 Sunday school, Milam and McGowen Sts.; fireproof; accommodate 1250; Jas. Ruskin Bailey, Archt., Public Natl. Bank Bldg.

Tex., Mission—Methodist Church considers erecting \$50,000 building. Address The Pastor.

Tex., Rowena—Evangelical Zoar Church, Rev. Robt. Mohr, Pastor, erect \$30,000 building; face brick, conc. and wood, 1 story and basement, provision for balcony; Will N. Noonan Co., Archt., Bldrs. Exch., San Antonio; call local bids about July 1.

Tex., San Antonio—Beacon Hill Baptist Church, Rev. Wm. H. Joyner, Pastor, erect \$100,000 building, Woodlawn and Grant Aves.; tentative plans call for brick, auditorium seat 1000 and Sunday school 1500.

Tex., Sterling—Methodist Church plans \$12,000 building. Address The Pastor.

Tex., Victoria—Trinity Lutheran Church erect parish house; seat 600; fireproof, 2 stories. Address The Pastor.

Va., Norton—Methodist Episcopal Church, South, Rev. S. H. Austin, Pastor, plans to complete building.

Va., Portsmouth—First Presbyterian Church, L. C. Wright, Chmn., Bldg. Comm., has low bid at \$27,493 from S. B. Williamson, Norfolk, for Sunday school; C. M. Major, Archt., Commr. Bldg. 5-17

City and County

Ark., Little Rock—Pulaski County Bd. of Commrs., W. E. Lenon, member, has low bid at \$154,800 from Gordon Walker for jail; Thompson, Sanders & Ginocchio, Archts., Hall Bldg. 5-10

Ark., Richmond—Little River County, Dr. J. W. Ringgold, member, Bd. of Commrs., voted \$20,000 bonds for building purposes.

D. C., Washington—Potomac Building Co., 1523 L St., N. W., erect \$200,000 bldg., Eighth and C Sts., for District of Columbia Women's Bureau, District Bldg.; W. Harris, Archt., 728 17th St., N. W. 1-5

Ga., Carrollton—Carroll County Bd. of Commrs. have plans ready about June 1 for bids on \$150,000 courthouse; rein. conc., brick, stone trim, 4 stories and basement, conc., tile, terrazzo and wood floors, steam

heat, vault; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta. 3-8

Ky., Maysville—Mason County Fiscal Court may call election on courthouse bonds.

Ky., Paducah—McCracken County Fiscal Court receives bids June 1 for enlarging and reconstructing vault in County Court Clerk's office; alternate on rein. conc. and brick; plans at office W. Bryan Rouse, Archt., Wellie Bldg.

La., Coshatta—Red River Parish Police Jury receives bids June 14 (extended date) on \$140,000 courthouse and jail; fireproof, brick, stone trim, 3 stories, wood, cement, tile and marble floors, steel jail equipment; estimators recently noted; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 5-24

Md., Rockville—Montgomery County Bd. of Commrs., Dr. Benj. C. Perry, Pres., remodel courthouse; \$250,000; fireproof, stone exterior, 3 stories, 60x200 ft., marble, comp. and linoleum floors, conc. foundation, slag roof; furnishings, equipment, etc., \$50,000; Rossell Edw. Mitchell, Archt.-Engr., 220 Barr Bldg., Washington, D. C. 5-24

Mo., Butler—Bates County Judges, L. S. Radford, County Clk., receive bids June 4 for county building; plans from office County Judges.

Mo., Independence—Jackson County erect \$30,000 home for negro girls, County Farm; brick, 2 stories; F. Wallace, Archt., Rialto Bldg., Kansas City.

Mo., West Plains or Willow Springs—Howell County Bd. of Commrs., J. W. Lasater, County Clk., West Plains, considers erecting \$150,000 to \$200,000 courthouse, West Plains or Willow Springs.

Okl., Enid—City voted \$53,000 bonds for 2 fire stations. Address City Comsn. 4-26

S. C., Columbia—City, Jas. A. Cathcart, Chmn., City Comsn., voted \$300,000 auditorium-community center bonds. 3-8

S. C., Gaffney—Cherokee County, E. L. Gasset, Clk., Bd. of Suprvs., votes Nov. 6 on \$125,000 courthouse bonds.

Tenn., Lebanon—Wilson County Bd. of Commrs., E. G. Walker, County Judge, erect 2-story addition to courthouse; brick; C. K. Colley, Archt., Fourth and First Bldg., Nashville; plans drawn.

Tenn., Memphis—City, D. C. Miller, City Clk., having plans drawn by Regan & Weller, Dermon Bldg., for Fire Station No. 8, Mississippi Blvd.; brick, 1 or 2 stories and basement, conc. and wood floors, comp. roof. 5-10

Tenn., Memphis—Shelby County Institutional Comsn. let contract at \$14,000 to Layne Central Co., Chelsea St., for 2 gravel wall wells for \$450,000 workhouse, Mullins Station; soon open bids for 100,000 gal. water tank; other details noted 4-12; Hanker & Cairns, Archts., 123 S. Court St.; Harry B. Hunter, Engr., U. & P. Bank Bldg. 4-12

Tex., Batesville—Zavalla County, N. H. Hunt, Judge, votes June 23 on \$75,000 courthouse bonds; brick and rein. conc., 3 stories; fall on top floor; select architect in about 1 week.

Tex., Fort Stockton—City Council erect city hall; plans completed.

Tex., Pelly, Goose Creek—Town, H. S. Leggett, Mayor, votes June 23 on \$30,000 city hall bonds; Cornell G. Curtis & Thomas, Archts., Post-Dispatch Bldg., Houston. 4-26

Tex., San Antonio—City, C. M. Chambers, Mayor, voted \$4,755,000 bonds, including \$300,000 for police and fire dept. bldgs., \$500,000 for library and library branches and \$250,000 for international exposition park and stadium. 4-12

Tex., Humble—Harris County receives bids June 4 at office Hedrick & Gottlieb, Archts., Post-Dispatch Bldg., Houston, for brick courthouse and jail; \$10,000. 2-16

Va., Richmond—Col. John A. Cutchins, Grace Securities Bldg., is chmn. of bd. of stadium trustees to erect \$150,000 stadium, Belmont Ave. near Byrd Park; Lee, Smith & VanderVoort, Bldrs. Exch. Bldg., selected as architects. 5-24

W. Va., Huntington—Bd. of Commrs., H. H. Fielder, City Clk., receive bids June 1 for fire alarm station, Ninth St. near Eighth Ave.; \$110,000 available; plans from Meanor & Handloser, Archts., Prof. Bldg. 7-7

Dwellings

Ala., Decatur—Decatur Building and Improvement Corp. organized with J. C. White as president; erect dwellings.

D. C., Washington—A. Herman, 1120 G St., N. W., has permit for \$19,000 cinder block residence, 8180 Mill Rd. and Eastern Ave., N. E.; 2 stories.

D. C., Washington—E. J. Moran has permit for \$10,000 brick residence, 3223 Gainesville St., S. E.; 2 stories.

D. C., Washington—Chas. M. Wallingsford, Denrike Bldg., has permit for 12 dwellings, 4100-22 Thirteenth St., N. E.; 2 stories, brick; \$85,000.

D. C., Washington—John P. Thompson has permit for \$10,000 residence, 5345 Broad Branch Rd., N. W.; 2 stories, brick and tile.

D. C., Washington—N. L. Sansbury Co., 1418 I St., N. W., has permit for 2 brick and tile dwellings and garages, 2320-24 Tracy Place, N. W.; 2 stories; \$41,000.

D. C., Washington—F. L. Meyer, 48 Rhode Island Ave., N. E., has permit for \$10,000 residence, 1428 Iris St., N. W.; brick, 2 stories.

D. C., Washington—Wm. D. Sterrett, 35th and Rodman Sts., N. W., has permit for 2 dwellings, 3319-21 Rowland Place, N. W.; stone, tile and brick, 3 stories; \$24,000.

Fla., Miami—Jos. H. Adams, Belle Isle, purchased adjoining dwelling; enlarge.

Fla., Miami Beach—S. M. Sharpley erect \$12,000 residence, Meridian Ave. near Lincoln Rd.

Fla., Miami—John Bullock, care Nelson, Bullock & Nelson, 25 N. E. Second Ave., erect \$15,000 residence; conc. block, 2 stories, 50x60 ft., tile and wood floors, tile roof, 3 baths; Geo. Bruce, Archt., Biscayne Bank Bldg.

Ga., Atlanta—F. A. Leatherman, 150 Walton St., N. W., has low bid from Chas. Wm. Bernhardt, 250 Hunnicutt St., for \$40,000 residence; C. K. Howell, Archt., Forsyth Bldg.

Ga., Macon—Peter Papas, Ga. Terrace, erect \$11,500 residence, Stanislaus Circle.

La., New Orleans—Joe. E. Cornibe, 4507 Toulouse St., erect raised residence, Picheloup St. near Dumaine St.

La., New Orleans—Miss Rose Viviano erect double raised residence, 2410-10 Laharpe St.; E. M. Reynolds, Archt., 822 Perdido St.; bids May 26.

Maryland—J. A. Stalford, Vice-Pres., Consolidated Engineering Co., 20 E. Franklin St., Baltimore, purchased 50-acre tract on Magothy River; plans summer residence.

Md., Ellicott City—T. James Hunter, 2312 N. Calvert St., Baltimore, plans residence, Columbia Pike near Ellicott City.

Miss., Tupelo—J. H. Trapp erect face brick veneer residence; 1 story, oak, pine and tile floors, shingle roof; Ye Planry, Inc., Archt., 1713 1/2 Live Oak St., Dallas, Tex.

Mo., Clayton, St. Louis—Lansden McCandless, care New England Mut. Life Ins. Co., Pierce Bldg., erect \$65,000 residence, Brentmoor; brick, 3 stories; LaBeaume & Klein, Archts., Compton Bldg., St. Louis.

Mo., Clayton, St. Louis—Dr. C. H. Neilson, Humboldt Bldg., erect brick residence, Ellenwood sub-division; 2 stories.

Mo., Columbia—C. T. McGinley erect 2-story stucco residence; A. B. Fuller, Archt., 902 Orear-Leslie Bldg., Kansas City.

Mo., St. Louis—David L. Grey remodel residence, 5763 Lindell Blvd.; Jamieson & Spearl, Archts., Arcade Bldg.

Mo., University City, St. Louis—J. C. Aufenberg, Pres., Monarch Motor Car Co., 3137 Locust St., St. Louis, plans residence, Stanford and Midland Aves.

Mo., West Plains—Clarence McCallon erect 4 six-room bungalows.

N. C., Greensboro—S. T. Oliver, 502 Woodlawn Ave., erect \$10,000 bungalow, Camden Rd. near Elam Ave.; brick veneer, 6 rooms.

N. C., Winston-Salem—S. S. Bohannon erect 3 dwellings, Greenway Ave. near 24th St.; frame, 1 1/2 stories, 6 and 7 rooms; \$10,500.

Okl., Oklahoma City—Callaway, Nicholson & Foster, Med. Arts Bldg., erect 2 brick dwellings, 2001-05 Gatewood Ave.; \$10,000.

Okl., Skiatook—E. N. Williams erect \$50,000 residence; brick, 2 stories and basement, 32x70 ft.; children's playhouse, garage; John T. Blair, Archt., Palace Bldg., Tulsa.

Okl., Tulsa—A. Wesley Rush, 1316 S. Utica St., erect \$15,000 residence.

Okl., Tulsa—A. B. Butler, Jr., 1507 S. Denver St., erect Spanish type residence, Bren-Rose.

Tennessee—V. M. Queener, Maryville, Benton Byrum and Walter Hunt, both Tellico Plains, and Herbert Walters and M. Kaufmann, both Copper Hill, plan summer homes in Cherokee National Forest section near Kimsey Highway, about 80 miles from Knoxville.

Tenn., Johnson City—Jack Cummins erect \$16,000 residence, Roan Hill.

Tenn., Johnson City—C. H. Hunter erect \$10,000 residence, E. Ninth Ave.

Tenn., Johnson City—F. L. Wallace erect \$10,000 residence, E. Ninth Ave.

Tenn., Knoxville—J. W. Dean, care Knoxville Fertilizer Co., Maryville Park, plans residence, Topside, south of Tennessee River; Barber & McMurry, Archts.; Chas. Lester, Landscape Archt., both Tenn. Gen'l Bldg.

Tenn., Memphis—Mrs. J. W. Norris, 1200 Union Ave., erect brick and stone residence; 2 stories and basement, oak floors, tile bath, tile or slate roof, garage and servants' quarters; Geo. Awsumb, Archt., Dermon Bldg.

Tenn., Memphis—S. Weiss, 903 Lane St., erect 2 brick veneer dwellings, 895 N. Belvedere and 895 N. Watkins Sts.; 7 and 5 rooms; \$11,500.

Tenn., Nashville—J. W. Gribble erect \$12,500 residence, 2119 Pierce Ave.; brick, 12 rooms.

Tex., Beaumont—D. Steinman erect \$18,000 residence, Averill Addition; brick veneer, 2 stories.

Tex., Beaumont—Thos. Lombardo, 1184 College St., erect \$13,500 residence, Beaumont addition; brick, 2 stories.

Tex., Galveston—Ray Rolan, 1706 25th St., soon start work on residence, Cedar Lawn.

Tex., Houston—C. J. Koenig, 318 Hawthorne St., erect \$15,000 residence, 2943 Del Monte St., River Oaks; brick veneer, 2 stories, 6 rooms, 2 baths.

Tex., Houston—Gulf Lumber and Building Co., erect 5 dwellings, 2119 Wentworth, 7218-20 Avenue I and 25th St.; 12 and 5 rooms, brick veneer; \$12,400.

Tex., Houston—S. E. Brooks, 2614 Noble St., erect 2 brick veneer dwellings, 2301-03-09 Driscoll St.; 6 rooms; \$15,000.

Tex., Houston—R. Corbin erect \$10,000 residence, 2107 Eagle St.; brick veneer, 10 rooms.

Tex., Houston—J. P. Lawrenson, 1805 Missouri St., erect 3 brick veneer dwellings, 1812-14-18 W. Main St.; 12 rooms; \$21,000.

Tex., Kerrville—Dr. J. D. Jackson erect \$25,000 residence; stone, tile and stucco, 10 rooms, 2 stories, tile roof, 2 tile baths; Robt. B. Kelly, 336 Milam Bldg., San Antonio.

Tex., Mercedes—O. E. Vanberg erect \$15,000 Spanish type residence near Mercedes; hollow tile, stucco, conc. foundation, 2 stories, tile roof; R. Newell Waters, Archt., Weslaco.

Tex., Rochelle—Marion Williamson erect brick and tile residence; 2 stories; Beverly W. Spillman & Beverly W. Spillman, Jr., Archts.-Engrs., Alamo Bank Bldg., San Antonio.

Tex., San Antonio—M. Ochoa, 1311 Garden St., erect \$10,000 residence, Kingshighway; 8 rooms.

Tex., San Antonio—Dr. Chas. Bochs, Med. Arts Bldg., receives bids June 5 at office Will N. Noonan Co., Archts., Bldrs. Exch., for brick veneer residence; 2 stories, 9 rooms.

Tex., San Antonio—Otto Klaus, Medical Arts Bldg., soon start work on 4 dwellings, Park Hill Estates; \$40,000 to \$55,000 each.

Tex., San Marcos—A. H. Morton, Natl. Bank of Commerce Bldg., rejected bids for stone lodge, garage and servants' quarters, Wimberly Rd.; Richard Vander Straten, Archt., Travis Bldg., both San Antonio. (See Want Section—Building Material and Equipment.) 5-17

Tex., Taft—Cage Lumber Co. has contract for 35 farm houses for Rincone Ranch development; 5 rooms, double garage, barn, well, windmill.

Va., Richmond—Mrs. Martha Upshur remodel brick residence, 805 W. Franklin St.

Va., Richmond—Miss Idell Sphire erect \$14,000 brick residence, 3820 Chamberlayne Ave.

Government and State

Ark., Jacksonville—State erect fireproof building to replace burned structure, Arkansas Farm for Women; Mrs. Jacques Maler, Chmn., Honorary Bd. of Farm, Hot Springs National Park. 4-19

D. C., Washington—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., has low bid at \$607,700 from F. W. Mark Construction Co., Commr. Tr. Bldg., Philadelphia, Pa., for foundations, etc., for \$10,000,000 bldg. for United States Bureau of Internal Revenue; Edw. H. Bennett, Const. Archt., 80 E. Jackson Blvd., Chicago, Ill. 5-12

Fla., Orlando—Additional contractors estimating on remodeling and enlarging post office, bids June 8 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; Unkefer Bros. Construction Co., Inc., Bessemer Bldg.; John C. Cuthbert, 104 Ave-

nue Aragon, both Pittsburgh, Pa.; Thomas W. Cissel; Earl E. Garber & Co., Inc., 203 W. Fourth St., both Bethlehem, Pa.; Louis Fleisher Construction Co., 12 Hildreth Ave., St. Augustine, Fla.; Frost Construction Co., 601 Marion, Tampa, Fla.; Howard C. Klehl, 1006 Princeton Ave.; A. E. Slauson, 57 N. Colonial St.; James Peterson Construction Co., O. B. & T. Bldg., all Orlando; Chas. Weltz's Sons, 713 Mulberry St., Des Moines, Iowa; Chas. J. Davis, Jr., Phyllis St., Jacksonville, Fla.; Kenney Bros., Altamonte Springs, Fla.; A. C. Samford, Montgomery, Ala.; Highbridge-International Co., Highbridge Station, New York. 5-24

Ga., Canton—Following contractors estimating on post office, bids June 15 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; A. C. Samford; Algernon, Blair, both Montgomery, Ala.; Theriault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.; Devault & Deitrick, Massillon Rd., Canton, O.; Chas. Weltz's Sons, 713 Mulberry St., Des Moines, Iowa; A. M. Lundberg, 208 N. Broadway, St. Louis, Mo. 5-24

Ky., Henderson—Additional contractors estimating on postmaster's room and interior changes, post office, bids June 13 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; Unkefer Bros. Construction Co., 1020 Bessemer Bldg., Pittsburgh, Pa.; Highbridge-International Co., Highbridge Station, New York; G. E. Tillman, City Natl. Bank Bldg., Centralia, Ill. 5-24

Ky., Louisville—Contracting Officer, Quartermaster Dept., Jeffersonville, Ind., receives bids June 5 for stone lodge for supt. and 1 outbuilding, Zachary Taylor National Cemetery.

Tex., Fort Sam Houston, San Antonio—Constructing Quartermaster, Fort Sam Houston, rejected bids for infantry battalion barracks, including utilities; to call for new bids; \$300,000, Spanish Mission type, brick, hollow tile and rein. conc., terra cotta, cast stone, 3 stories, 400x50 ft. with 4 wings about 50x32 ft., metal lath, conc. floors. 5-10

Tex., Waxahachie—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids June 25 for remodeling and enlarging post office; drawings from Custodian at site or from office Supvg. Archt.

Va., Danville—Additional contractors estimating on post office remodeling, bids June 12 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; Theriault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.; W. T. Gregory, Law Bldg., Norfolk, Va.; Jones Bros. & Co., 203 Planters Bank, Wilson, N. C. 5-24

Va., Fredericksburg—Treasury Dept., Jas. A. Wetmore, Act. Archt., Washington, D. C., receives bids June 28 for remodeling and enlarging post office; drawings from Custodian at site or from office Supvg. Archt.

Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, Army Medical Center, receives bids in triplicate June 7 for addition to medical storehouse; information on application.

La., Alexandria—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., will call for bids May 31, to be opened July 5, for 400-bed general hospital, including necessary clinical, occupational and recreational facilities, also quarters for personnel, service buildings such as storehouses, garages, boiler houses, etc.; early French period type, stucco and stone, tile roofs, loggias, porches, elevators; radio receiving station on top floor of main building; total of 23 buildings; \$1,500,000 available; work includes: Excavating, rein. conc. constr., hollow tile, gypsum blocks, brick work, cast stone, marble work, floor and wall tile, iron work, steel sash, steel stairs with slate treads, wrought iron fence, tile, metal and built-up roofing, roof ventilators, metal lathing, plastering, stuccoing, carpentry, dumb waiters, platform scales, insect screens, painting, glazing, hardware, plumbing, heating, elect. work, elect. elevators, refrigerating plant and outside sewer, water, steam and elect. distribution system; separate bids for bldg. constr., plumbing, heating, elect. work, elect. elevators, ice-making and refrigerating plant and conc. chimney. 4-12

Mo., Sedalia—City Council selected T. W. Bast, Kahn Bldg., as architect for \$200,000 fireproof hospital; bonds voted. 3-15

Okla., Anadarko—Chamber of Commerce and Lions Club interested in \$50,000 to \$60,000 hospital.

Tenn., Memphis—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., erect recreational building, U. S. Veterans Hospital;

brick and conc., stone trim, 1 story and basement, conc. and tile floors, comp. roof, steam heat, glass-enclosed walk to main building, \$80,000; advises project in tentative stage only.

Tenn., Memphis—Baptist Memorial Hospital erect \$10,000 addition, 899 Madison Ave.; rein. conc., brick and stone, conc. and tile floors, comp. roof; Geo. Awsumb, Archt., Dermon Bldg.

Tex., Beaumont—Jefferson County voted \$75,000 tuberculosis hospital addition bonds, Address County Comn. 4-26

Tex., Tyler—Smith County may vote in Fall on \$250,000 hospital bonds; Tyler Chamber of Commerce interested.

Hotels and Apartments

Ala., Birmingham—Gen. Louis B. Clark, 1926 N. 4th Ave., erect addition and remodel 5-story and basement hotel, N. 5th Ave. and 23d St.; \$100,000, built-up roof, new basement, steel columns, stucco over brick, elevator; E. B. Van Keuren, Inc., Archt., 407 Comer Bldg.

D. C., Washington—R. C. Archer, 1759 You St., N. W., preparing plans for \$200,000, 8-story, brick, 48-apartment in Northwest section.

Ga., Brunswick—Oglethorpe Hotel, Jack Garner, Mgr., remodel hotel, install 60 additional bathroom showers and tubs, new furniture.

La., New Orleans—Louis Rosenson, 1000 Baronne St., has permit for two fourplex, Audubon St. between Apricot and Pritchard Place.

La., Shreveport—Seymour Van Os, City Bank Bldg., preparing plans for remodeling Sinclair Office Bldg., Market and Travis Sts., for hotel.

Md., Baltimore—Greenway Apartment Co., J. I. Goldstein, Pres., Greenway Apts., Charles and 34th Sts., erect \$1,500,000 apartment, Charles St. and Bishop's road; 12 stories, 150 unfurnished apartments, 50 furnished suites and single rooms for transients; work expected to begin about Aug. 1.

Md., Ocean City—Maridel Beach Development Co., 1411 N. Charles St., Baltimore, soon start work on Maridel Biltmore Hotel in connection with development of Maridel Beach on Isle of Wight; Spanish type, \$600,000.

Mo., St. Louis—Hoffman Realty Co., Morganford and Neosho Sts., erect 3-story and basement, 73x140 ft., brick and rein. conc. store and apartment; built-up comp. roof, terra cotta trim, hardwood floors, electric refrigeration, in-a-door beds, inclinerators; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—Klingensmith & Wilkins, 317 N. 11th St., prepared plans for \$1,000,000, 8-story apartment in 4300 block Lindell Blvd.; 200 rooms, 100-car garage.

Mo., University City—Hartwig-Dischinger Real Estate Co., 2308 N. Grand St., erect 3-story store and apartment or office building, Delmar Blvd. and Syracuse Ave.

N. C., Charlotte—R. L. Falls erect \$40,000, 2-story, brick veneer apartment, 2127-31 Kirkwood Ave.

N. C., Charlotte—Wesley T. Heath Corp., 310 N. Church St., has permit for \$17,000, 2-story, brick veneer apartment, Third and Myers Sts.

N. C., Winston-Salem—O. W. Carroll, 522 Irving St., has permit for \$15,000 apartment on Irving St.; 2 stories, 16 rooms, brick veneer and frame.

Okla., Poteau—Mrs. Rosa Bell, Norman, erect 2-story, 12-apartment building.

Okla., Tulsa—Ferguson & Carter Co. has permit for \$20,000, 2-story, brick apartment, 714 S. Quincey Ave.

Tenn., Chattanooga—Century Company, 111 Chestnut St., soon let contract for \$100,000 English type conc., tile and stucco apartment on Missionary ridge.

Tenn., Elizabethton—Elk Avenue Properties, Inc., reported, erect \$1,000,000, 10-story and basement co-operative apartment hotel, athletic club and theater, Elk and Lynn Aves.; basement to contain mechanical and heating equipment, vacuum cleaning plant, electric refrigeration plant and laundry; theater to seat 1800.

Tenn., Knoxville—Tom C. Carson soon start work on \$30,000, 3-story and basement, brick veneer apartment, 615 W. Hill Ave.

Tenn., Memphis—W. H. Monsarratt, 784 Kerr Ave., erect \$25,000, 2-story and basement, 35x61 ft., brick veneer apartment, Tutwiler Ave.; comp. shingle roof, hardwood floors, stone trim; private plans.

Tenn., Nashville—John Lowe, 1817 Broad St., and H. C. Ormes soon start work on

\$250,000, fireproof apartment, Belle Meade Drive and Cornwall Ave.; English type, 36 suites; Geo. D. Nevins, Archt., Ind. Bldg.

Tex., Beaumont—M. Gulterman has permit to remodel residence, 2360 McFadden St., into apartment; \$10,000.

Tex., Alice—Homer Presnall represents interests planning \$80,000, 5-story, 46x70 ft., brick and conc. hotel; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; Homer M. Matthews, Engr., Bedell Bldg., San Antonio.

Tex., Mercedes—W. D. Chaddick, reported, erect \$150,000, 4-story hotel.

Tex., Nacogdoches—Sam Hayter erect one-story, brick veneer apartment; Cornell G. Curtis, Archt., Houston.

Tex., Port Arthur—J. F. Goodhue, 901 Goodhue Bldg., Beaumont, and associates, plan to start work in June on \$550,000, 11-story, 75x130 ft., rein. conc. and brick hotel, Waco Ave. and 5th St.; Spanish tile and built-up roof, cement and terrazzo floors, 2 passenger and one service elevator, vapor vacuum heat; Tisdale, Stone & Pinson, Archts., 1103 Goodhue Bldg., Beaumont. See Want Section—Building Material and Equipment. 5-17

Tex., Houston—A. E. Olson & Bros., Post-Dispatch Bldg., have permits for two 4-room, 2-story, brick veneer apartments, 1216 and 1236 Peden St., Rosemont Heights; \$20,000.

Tex., San Angelo—Hilton Hotel Co., C. N. Hilton, Pres., Hilton Hotel, Dallas, receives bids June 15 for \$1,000,000, 14-story hotel, E. Twihlg and S. Oakes Sts.; rein. conc., brick and stone; Anton F. Korn, Jr., Archt., Thomas Bldg., Dallas; B. M. Morgan, Asso. Archt., Angelo Natl. Bank Bldg. 5-3

Tex., San Antonio—Irving Frost, care Herbert S. Green, Archt., Alamo Bank Bldg., erect \$35,000, 2-story, stucco, 12-apartment, Dewey and Ogden Sts.; bids in.

Va., Hopewell—George Theodore, 115 Broadway, remodel old Berkeley Hotel.

Va., Roanoke—New Hotel Corp., Liberty Tr. Bldg., erect 130-room rear addition to Hotel Patrick Henry.

W. Va., Clarksburg—Clarksburg Hotel, Karl G. Davis, Mgr., plans addition.

Miscellaneous

Ala., Mobile—Mobile Bit and Spur Club erect clubhouse in Wimbleton, being developed by Wimbleton Park Land Co.

Ark., Hot Springs—Interstate Orphanage, care Tom K. Martin, Pres., Kiwanis Club, erect \$25,000, one-story, brick and stucco orphanage; Thompson, Sanders & Ginocchio, Archts., Hall Bldg., Little Rock. 5-17

Ark., Pine Bluff—Council of United Commercial Travelers, Garland Brewster, leased Memorial Park and expend \$10,000 for improvements; erect dance hall and dressing rooms.

Ky., St. Joseph—Ursuline Sisters, care Fred Erhart, Archt., Norton Bldg., Louisville, erect convent.

Tenn., Knoxville—Gov. Wm. Blount Memorial Assn., Mary B. Temple, Pres., 623 W. Hill Ave., remodel William Blount Home; Barber & McMurray, Archts., General Bldg. 5-24

Tex., Grapeland—Grapeland Country Club erect clubhouse.

Tex., Houston—San Jacinto Athletic Club, C. C. Story, Chmn., Bldg. Comm., plans 8-story and basement, rein. conc. and brick building, Main and Francis Sts.; \$1,000,000; Joseph Finger, Archt., Keystone Bldg.

Tex., Houston—Jesse H. Jones, Goggan Bldg., Chmn., committee on arrangements, soon let contract for hospitality house in connection with National Democratic Convention coliseum; accommodate 3000 persons; \$25,000. 4-19

Tex., Port Aransas—Port Aransas Sporting Club, care W. H. Vernor, 612 Travis Bldg., San Antonio, soon call for bids for 2-story, rein. conc., hollow tile clubhouse; Phelps & Dewees, Archts., Gunter Bldg., San Antonio.

Tex., San Antonio—Witte Memorial Museum, Nat. Washer, Pres., Texas Theater Bldg., erect \$30,000 addition.

Tex., Terrell Wells—Terrell Wells, Inc., care H. B. Stumberg, erect additional story to hotel, glassed-in sun parlor on roof, enlarge bathroom, erect 20 cottages for health and tourist resort; \$150,000, conc. and semi-fireproof; Adams & Adams, Archts., 1010-15 Real Estate Bldg., San Antonio. 5-24

Tex., Three Rivers—Charles R. Tips and Associates, 300 Crockett St., Austin, erect school, church, pavilion recreational buildings in connection with 500-acre development for Mexican colony.

Railway Stations, Sheds, Etc.

Mo., St. Louis—Wabash Railway Co., J. E. Taussig, Pres., Railway Exchange Bldg., reported, soon let contract for \$600,000 fruit auction building, Second, Franklin and Carr Sts., to be conducted by American Central Fruit Auction Co., Collins and Carr St.; display and distributing section, one-story unit, 620x56 ft.; skylight; also 3-story unit for assembly room, record rooms, cooperage shop, overflow room, print shop, offices.

Schools

Ala., Auburn—Alabama Polytechnic Institute soon call for bids for \$83,000 office building; also considering erecting chemistry building, administration building and stadium.

Ark., Eudora—Eudora Special School Dist. Trustees erect \$75,000, 2-story and basement, 112x116 ft., semi-fireproof high school; Thompson, Sanders & Ginocchio, Archts., Hall Bldg., Little Rock.

Ark., Little Rock—Little Rock Special School Dist., H. T. Terry, Pres., 800 Louisiana St., receives separate bids June 4 for additions and alterations to Parham School, 16th and Bragg St.: (1) General contract; (2) wiring, (3) heating, (4) plumbing; plans at office John P. Almand, Archt., 902 Boyle Bldg.

Ark., McGehee—Catholic Church, Rev. G. J. Lillis, Pastor, receives bids June 1 for \$15,000, one-story, brick parochial school; Henry J. Kramer, Archt., Goodwyn Institute Bldg., Memphis, Tenn. 5-24

Fla., Bell—Glebe County Bd. of Public Instruction, Mrs. M. H. Johnson, Supt., Trenton, receives bids June 20 for \$45,000 high school in Bell Special Tax School Dist.; 2 stories, 12 classrooms, auditorium, library and clinic; Clarence H. Glass, Archt.; W. R. Biggers, Supervisor, Tampa. 5-3

Fla., Homasassa—Citrus County Bd. of Public Instruction, Inverness, receives bids June 7 for 2-story school; plans at office Geo. MacKay, Archt., MacKay Bldg., Ocala.

Fla., Orlando—St. James' Catholic Church, Rev. Michael Fox, Pastor, 205 N. Orange St., erect \$100,000, 2-story, 150x100-ft. parochial school; 18 classrooms, auditorium to seat 650, cafeteria, brick and steel, comp., mastic or wood floors, skylight, ventilators, vacuum oil burning steam heat, tile and built-up roof; M. E. Kressly, Archt., 302 Smith Bldg.; H. M. Reynolds, Asso. Archt., 438 S. Orange Ave.

Fla., Palm Beach—Palm Beach County Bd. of Public Instruction, Joe A. Youngblood, Supt., erect \$14,000 auditorium and gymnasium addition to school; King & Campbell, Archts., Harvey Bldg.

Fla., Tallahassee—State Board of Control, P. K. Yonge, Chmn., Carling Hotel, Jacksonville, receives bids June 11 for 2nd unit of Administration building at Florida A. & M. College for Negroes; also same date for dormitory and central heating plant at University of Florida, Gainesville; plans from Rudolph Weaver, Archt., Gainesville.

Ga., Americus—New Era Consolidated School Dist. Trustees, C. S. Hogg, Chmn., receives bids June 12 for \$20,000, 1-story and basement, brick veneer school; Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta. 5-24

Ga., Atlanta—Fulton County Bd. of Education, Jere Wells, Supt., received low bid at \$15,250 from G. F. Wells, Hapeville, for Cascade School; 1-story and basement, brick veneer, comp. roof; Burge & Stevens, Archts., 101 Marietta Bldg., Atlanta.

Ga., Atlanta—Druid Hills School Dist., care W. D. Thomson, Candler Bldg., ready for bids about July 1 for \$190,000, 3-story, rein. conc. and brick school; slate or tar and gravel roof; Ivey & Crook, Archts., 1310 Candler Bldg. See Want Section—Building Material and Equipment.

Ga., Barnesville—Sixth District A. & M. School, Prof. T. O. Galloway, soon call for bids for \$30,000, brick, fireproof auditorium; seat 1000; Dunwoody & Oliphant, Archts., 400 Broadway, Macon.

Ga., Jackson—Bibb County Bd. of Education, J. E. McMichael, Chmn., Bldg. Comm., erect 6-room and auditorium brick school.

Ga., Moultrie—Bd. of Education, F. R. Pidecock, Chmn., let contract at \$51,462 to W. J. Pippin for one-story and basement, 253x130-ft. brick high school; auditorium, 62x70 ft.; cast stone trim; Wm. J. Chase, Archt., 140 Peachtree, Atlanta. 5-24

Ga., Mystic—School Trustees erect \$20,000 school; bonds voted.

Ga., Nicholls—City plans issuing \$15,000 school bonds.

Ga., White—School Trustees, J. M. Hamrick, Chmn., called election June 12 on \$15,000 bonds.

Ky., Berea—Berea School Dist. Trustees erect \$30,000 high school; bonds voted. 4-19

Ky., Hazard—Perry County Bd. of Education, M. C. Napier, Supt., receives bids June 4 for one-room additions to schools in Leatherwood Dist. No. 8, Campbell Bend Dist. No. 2 and Jeff Dist. No. 63; also 2-room addition to school in Vico Dist. No. 85.

Ky., Lexington—Transylvania College erect gymnasium; Churchill & Gillig, Archts., Pay Bank Bldg.

La., Belle Chase—Plaquemines Parish School Bd., Pointe-a-la-Hache, receives bids June 17 for \$25,000, 2-story, rein. conc. and brick school; 6 classrooms, built-up roof; plans at office Wm. R. Burk, Archt., Balter Bldg., New Orleans.

La., Logansport—Logansport School Dist. voted \$35,000 bonds for school; Edw. F. Neild, Archt., City Bank Bldg., Shreveport.

La., Oil City—Caddo Parish School Bd., E. W. Jones, Supt., Shreveport, receives bids about June 10 for \$75,000, 2-story and basement, rein. conc. and brick school; stone trim, comp. roof; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 3-29

La., Shreveport—St. John's College erect \$65,000, 3-story, rein. conc. brick and stone trim, priests' residence; tile and wood floors; Edw. F. Neild, Archt., City Bank Bldg.

Mo., Chevy Chase—Montgomery County Bd. of Education, Dr. J. D. Deets, Pres., Clarksburg, receives bids June 12 for \$120,000, 2-story, brick high school addition; H. W. Cutler, Archt., 1800 E St., N. W., Washington, D. C. 3-22

Mo., Rockville—Montgomery County Bd. of Education, Dr. J. D. Deets, Pres., Clarksburg, receives bids June 12 for \$50,000, 2-story, brick high school addition; H. W. Cutler, Archt., 1800 E St., N. W., Washington, D. C.

Miss., Belzoni—Belzoni Consolidated School Dist. Trustees erect \$20,000 brick grammar school addition.

Miss., Big Creek—Big Creek Consolidated School Dist. votes June 1 on \$14,700 bonds for brick school.

Miss., Holly Springs—Marshall County Bd. of Education, C. H. Curd, Supt., erect Agricultural High School and dormitory; former, one-story; latter, 2 stories, brick, built-up roof; N. W. Overstreet, Archt., Jackson.

Miss., Jackson—Mississippi State Building Comsn. plans \$5,345,000 building improvements; selected following architects: Claude H. Lindsley, Lamar Bldg.; Frank P. Gates, Edwards Hotel, both Jackson; Vinson B. Smith, Shaw & Woleben, both Gulfport; Bem Price, Comer Bldg., Birmingham, Ala.; R. C. Springer, Rosenbaum Bldg., Meridian. 5-17

Miss., Vicksburg—Warren County Bd. of Education receives bids June 5 for two \$25,000, one-story, 50x100 ft., brick auditorium buildings at Jet and Cuklin; also repairs to both buildings, \$15,000; Johns-Manville roof, conc. and wood floors; plans at office W. A. Stanton, Archt.

Mo., Fulton—Bd. of Managers, Missouri School for Deaf has \$65,000 available for shop building; brick, conc. and steel.

Mo., Kansas City—St. Augustine's Parish, care Madorie & Bihr, Continental Bldg., for 2-story, brick parochial school, 79th St. and The Paseo.

Miss., Gulfport—Wool Market School Dist. and Orange Grove School Dist. defeated \$35,000 and \$40,000 bonds, respectively. 4-12

Mo., Columbia—Beta Theta Pi Fraternity, University of Missouri, erect \$35,000 chapter house addition.

Mo., St. Louis—St. Michael's Parish, care Rev. Geo. F. Hefferman, erect \$75,000 school, 11th and Benton Sts.; O'Meara & Hills, Archts., Arcade Bldg.

Mo., Troy—City votes June 5 on \$35,000 junior high school bonds.

N. C., Charlotte—School Bd., Charles Blackburn, Sec.-Treas., make \$20,000 repairs.

N. C., Rutherfordton—Sunshine School Dist. erect \$20,000 school; Clyde A. Erwin, Supt., Rutherford County Bd. of Education.

N. C., Statesville—City, reported, voted \$350,000 bonds; erect schools and improve present buildings. 5-3

N. C., Wilson—Atlantic Christian College Bd. of Trustees acquired site on Highway 91; having plans completed for new buildings.

S. C., Charleston—Riverland Terrace Dist. Trustees, Wm. H. Mikell, Chmn., soon call for bids for brick school on James Island; \$10,000 bonds voted to be supplemented by funds from county and state.

S. C., Rock Hill—Following contractors estimating on alterations to library and auditorium addition to Student Activities building at Winthrop College; cost \$100,000; bids June 8: Wagar & Co., Norris Bldg., Atlanta, Ga.; Brown Harry Co., E. Main St., Gastonia, N. C.; J. J. McDevitt Co., Builders Bldg.; Carolina Co., E. Trade St., and T. C. Thompson & Bros., 608 N. Smith St., all Charlotte, N. C.; Morris-McKoy Co., Finlay Bldg., Greenville; George W. Waring, 407 Shandon St., Columbia; Webb Electric Co., 118 W. Whitner St., Anderson; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga. 5-24

Tenn., Cleveland—School Bd. received low bid at \$101,500 from V. L. Nicholson & Co., 102 W. Church St., Knoxville, for 2-story and basement, rein. conc. and brick school; Clarence T. Jones, Archt., James Bldg., Chattanooga. 5-10

Tenn., Knoxville—Knoxville County Bd. of Education plans grammar schools on Sevierville pike and in Holston Hills section; \$15,000 to \$20,000.

Tex., Austin—State Bd. of Control, R. B. Walthall, Chmn., receives bids about June 15 for \$40,000, one-story and basement, 110x70 ft., conc. and brick gymnasium, State School for Deaf; hardwood floors; Gleescke & Harris, Archts.-Engrs., 207 W. 7th St. See Want Section—Building Material and Equipment. 5-24

Tex., Austin—City voted \$300,000 school bonds. 3-20

Tex., Canyon—Bd. of Regents, West Texas State Teachers College plans \$225,000 Museum and Arts building, \$200,000 Science building, \$30,000 addition to power plant to house manual training department, \$10,000 home demonstration building.

Tex., Corsicana—Navarro County Bd. of Education erect Union High School in consolidated school district; \$25,000, 8 rooms, brick. 5-17

Tex., Corpus Christi—Corpus Christi Ind. School Dist., Geo. P. Blevins, Sec., receives bids June 11 for \$275,000, 3-story, 225x80 ft., brick and conc. high school and 2-story, brick and conc. South Bluff Grade School; Hardy & Curran, Archts., Nixon Bldg.; Homer M. Matthews, Engr., Bedell Bldg., San Antonio. 5-24

Tex., Dallas—Love Field School Dist. plans \$100,000 brick school; F. F. Taylor, Pres., School Bd.

Tex., Edna—Bd. of Education take bids in June for 9-room and auditorium high school and 3-room negro ward school; \$65,000 bonds voted; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi. 5-17

Tex., Flynn—Flynn Ind. School Dist. votes June 2 on \$20,000 bonds.

Tex., Frankston—School Bd. erect \$25,000 high school; bonds voted.

Tex., Gladewater—School Bd. erect 2 brick annexes to school; \$12,000, study hall, library, office, 2 classrooms.

Tex., Gunter—School Bd. erect high school; \$15,000 bonds voted.

Tex., Houston—School Bd. erect school in Meadowbrook addition being developed by Meadowbrook Development Co., C. E. McCormick, Pres.

Tex., Liberty Hill—Bd. of School Trustees receives bids June 5 for \$18,000, 33x128-ft. brick school addition; built-up roof, wood floors, hot air heat; plans at office H. F. Kuehne, Archt., 824 Littlefield Bldg., Austin. 5-17

Tex., Mart—School Bd., J. C. Rogers, Pres., receives bids June 12 for high school and addition to elementary school; plans at office Roscoe P. DeWitt, Archt., Kirby Bldg., Dallas.

Tex., Neches—School Bd. erect \$25,000, one-story, brick high school; Theo. Maffitt, Archt.

Tex., Orangefield—Orange County School Bd., Lee Alford, Pres., Orange, erect \$50,000, 14-room and auditorium high school to replace burned structure; Livesay & Weidemann, Archts., San Jacinto Life Bldg., Beaumont. 5-17

Tex., Palestine—Anderson County Bd. of Education erect \$25,000 high school at Neches; Theo. S. Maffitt, Archt. 5-10

Tex., San Antonio—Bd. of Education, Frank Haines, Pres., construct athletic field and clubhouse for Brackenridge Senior School; Phelps & Dewees, Archts., Gunter Bldg.

Tex., Woodville—Woodville Ind. School Dis., P. T. Hunter, Supt., erect Kirby Memorial High School, gift of John H. Kirby. Va., East Radford—State Teachers College broke ground for training school unit.

Va., Richmond—University of Richmond, Dr. F. W. Boatwright, Pres., erect \$50,000

gymnasium addition, gift of Mrs. C. E. Mill-hiser.

Stores

Ark., Little Rock—Bush & Schmelzer erect \$25,000 store, Seventh and Center Sts.

D. C., Washington—F. & W. Grand 5-10-25 Cent Stores, 400-04 7th St., N. W., remodel building; \$26,500.

Fla., Miami—Harris Winthrop & Co., 11 Wall St., New York, erect 2-story, 75x78 ft., rein. conc. and hollow tile salesroom and office on Collins Ave. between Ponce de Leon Hotel and Roney Plaza; \$75,000, tile roof, tile and wood floors; Addison Mizner, Archt., 337 Worth Ave., Palm Beach; bids in.

Ga., Macon—Crane Co., H. W. Walters, Mgr., soon remodel bldg., Broadway and Poplar St.; also warehouse in rear; Dunwoody & Oliphant, Archts., 460 Broadway.

La., Bogalusa—M. Marx erect 2 buildings to replace structures damaged by fire at loss \$55,000.

La., New Orleans—F. Rubenstein & Co., Inc., 1101 Canal St., remodel building on Canal St. between Rampart and Basin Sts.; \$10,000; Albert W. Drennan, Archt., 2235 Carondelet St.

Md., Baltimore—Louis Hertzberg, 553 E. 70th St., New York, remodel interior and exterior of building at 208-16 N. Eutaw St., to be leased to Gomprecht & Benesch, 316 N. Eutaw St.; work under supervision of Merchants Co., 20 E. Lexington St.

Mo., Kansas City—Frank W. Baker erect \$125,000, 2-story, 100x133 ft., rein. conc. store, Gillham Rd. and Troost Ave.

Mo., Kansas City—Klines, Inc., W. H. Clark, Gen. Mgr., 1112 Walnut St., erect brick side addition to 8-story mercantile building; W. R. Bovard, Archt., 1012 Baltimore St.

Mo., St. Louis—Marquette Investment Co. erect 3 or 5-story, brick, rein. conc. and steel store and loft building, 18th and Washington Sts.; terra cotta trim, built-up roof, one passenger and 2 freight elevators, steam heat; Aegerter & Bailey, Archts., 1904 Railway Exchange Bldg.

Mo., St. Louis—Neilsner Bros., Inc., A. H. Neilsner, Pres., 49 East Ave., Rochester, N. Y., remodel 5-story, brick building, 6th and Washington Sts.; \$200,000; Preston J. Bradshaw, Archt., 718 Locust St.

Miss., Columbia—G. H. and W. E. Walker erect 2-story brick office and store, Main St. and Court Square.

S. C., Charleston—Isle of Palms, Inc., J. L. Kaptan, Gen. Mgr., selected Rex Fuller to prepare plans for brick business block on Isle of Palms.

S. C., Charleston—United Realty Co., Sam Berlin, V.-P., erect \$40,000, 2-story, 30x125 ft., brick store, 463 King St., to be leased by F. W. Woolworth Co., New York.

Tenn., Cleveland—Geo. L. Hardwick, Sr., and Hal B. Moore remodel Cate Building, 32d and Church Sts.; 3 stories, brick; stores on first floor, offices and apartments above.

Tenn., Nashville—Oscar Noel, Exchange Bldg., erect building, 200-04 Fourth Ave.

Tex., Beaumont—Mrs. Maude C. Barry has

permit for \$20,000 conc. store, Park and Austin Sts.

Tex., Bishop—Ewing & Phillips Hardware Co. soon start work on 4 one-story, 25x80 ft., hollow tile and conc. stores.

Tex., Canadian—Mrs. M. Spiller erect \$10,000, 1-story, brick store to be occupied by Grand Rapids Store Co.; Wm. C. Townes, Archt., Old P. O. Bldg., Amarillo.

Tex., Galveston—C. P. Evans, Pres., Pig-gly-Wiggly Stores, A. N. I. Bldg., erect store and apartment, 23d St. and Avenue M.

Tex., Harlingen—F. W. Gartner Co., 3315 McKinney Ave., Houston, does not contemplate erecting building. 5-24

Tex., Houston—Charles J. Keays, 5311 Brady St., erect \$10,000, 2-story, brick store and apartment, 7800 block Harrisburg Blvd.

Tex., Houston—Carl Lechin erect 2-story, brick veneer store and apartment, Dowling and Barbee Sts.; L. Gabert, Archt., 1315 Bell St.; bids in.

Tex., Palestine—A. Cartmell reconstruct Temple Theater building for stores and salesroom; stucco exterior, glass fronts.

Tex., Pharr—Wm. Standifer erect 2-story, 50x100 ft., brick store building.

Tex., San Antonio—Solo-Serve Co., I. Brenner, Pres., 118½ W. Commerce St., remodel building, 112 Soledad St.

Tex., San Antonio—U. H. Wagner, 101 W. Pecan St., has permit for \$20,000 store, Woodlawn Ave.

W. Va., Huntington—Isaac Silver & Bros. Co., 130 Fifth Ave., New York, leased building, Third Ave. and Ninth St.; remodel.

Theaters

Ala., Mobile—Frank Ortman, 51 N. Ann St., soon start work on theater, seat 1500 persons; also 30-room hotel, Davis Ave. and Marmotte St.; \$60,000.

Va., Suffolk—Woodward & Elam, 113 N. Main St., reported, erect \$165,000 theater to be leased by Suffolk Amusement Corp., N. Main St.; brick, conc. and steel, seat 1200; A. D. Breeden, Archt., Natl. Bank of Suffolk Bldg.

Warehouses

N. C., Louisville—T. H. Allen erect 100x300 ft. tobacco warehouse on Main St.

S. C., Dillon—Planters' Warehouse, W. H. Muller, Pres., erect 320x112 ft. tobacco warehouse, First Ave. and Hudson St.

Tex., Houston—Charles J. Gerner of Gerner Lumber Co., 2323 Nance St., considering erecting storage warehouse in 3200 block Commerce St.

Tex., Houston—A. C. Frank and G. G. Sidel, Jr., has permit for \$10,000, 2-story, brick veneer warehouse, 337 Rice St., Settegast Third addition.

Tex., Houston—Ingram R. Seward, 4000 Leeland Ave., erect \$100,000, one-story, 120x498 ft., rein. conc. cotton warehouse, 4000 block Leeland St.; platform and awning 10x340 ft.; bids in.

Tex., Odessa—Texas Electric Service Co., 6 Limehouse St., erect frame and galvanized iron warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Fla., Tampa—Southern Lumber and Supply Co., Tyler St., has lumber and millwork contract for \$135,000 Masonic temple for Hillsborough Lodge Assn.; M. Leo Elliott, Inc., Archt.-Engr., City Bank Bldg.; G. A. Hanson Co., Inc., Contrs., First Natl. Bank Bldg. 1-12

Miss., Gulfport—Salvation Army let contract to Easterling & Sorrell for Spanish stucco building, 20th St. and 24th Ave.; Smith & Norwood, Archts. 4-12

Bank and Office

D. C., Washington—Bates Warren, represented by Wm. L. Browning, Southern Bldg., erect \$1,200,000 office building, 14th and K Sts., N. W.; fireproof, limestone, steel frame, 12 stories, 96x125 ft., cement, marble and wood floors, slag roof; Robt. L. Beresford, Archt., 1115 Connecticut Ave., N. W.; Chas. H. Tompkins Co., Contr., 1608 K St., N. W. 4-12

Mo., Kansas City—Following sub-contracts let for 13 additional stories, \$1,062,000, to 14-story administration and equipment bldg. for Southwestern Bell Telephone Co., on which about one-third of steel work for 15th

and 16th floors is up: Erection of rein. steel and wire mesh, Chas. D. Schnelle, 3256 Gillham Rd.; terrazzo floors, International Terrazzo & Mosaic Floor Co., 519 S. W. Blvd.; sheet metal work, Kornbrodt Kornice Ko., 1811 Troost St., all Kansas City; terra cotta, Northwestern Terra Cotta Co., 228 N. LaSalle St.; lightning conductors, Arrow-Conductor Corp., 1536 W. Adams St., both Chicago, Ill.; orna. and misc. iron and bronze, Wisconsin Ornamental Iron & Bronze Co., Milwaukee, Wis.; metal movable partitions, Mills Co., 965 Wayside Rd., Cleveland, O.; rein. steel, wire mesh, etc., Concrete Steel Co., 42 Broadway, N. Y.; mail chute and boxes, Cutler Mail Chute Co., Rochester, N. Y.; metal windows, Voigtman Metal Window Corp., Kalamazoo, Mich.; millwork and cabinet trim, Uhrich Millwork, Ltd.; bronze revolving doors, Atchison Revolving Door Co., both Independence, Kan.; Dahlstrom elevator fronts and hollow metal swing doors and trim, Sears & Plou, 1001 N. Sixth St., St. Louis, Mo.; Holt, Price & Barnes, Archts., Davidson Bldg., Kansas City; I. R. Timlin, Asso. Archt., Telephone Bldg., St. Louis; Swenson Construction Co., Contr., Shubert Bldg., Kansas City. 1-26

Mo., Springfield—Board of directors for proposed \$400,000 Medical Arts Bldg., H. L.

Schneider, Pres., Landers Bldg., let contract to Louis J. Haenni, 4304 Overhill St., Dallas, Tex., for building; 8 stories, about 100 suites and offices; auditorium, clinic and laboratory, emergency hospital, compressed air equipment, special water, lighting and wiring systems, intercommunication system; Heckenlively & Mark, Archts., Landers Bldg., Springfield. 7-14-27

Mo., St. Louis—Rock Hill Quarry Co., care H. E. Billman, Title Guarantee Bldg., erect brick and tile office building, Rock Hill and Deer Creek Rds.; 2 stories, 34x72 ft.; Marcel Boulecault, Archt., Ambassador Bldg.; work by sub-contract under Archt.

Tenn., Chattanooga—Hamilton Trust and Savings Bank, W. E. Tomlinson, Vice-Pres., let contract to John Parks, Hamilton Natl. Bank Bldg., for \$500,000 bank and office building; 4 stories and basement, 110x60 ft., conc. slab basement, Elberton (Ga.) dark grey granite base, terra cotta and face brick exterior walls, tile and brick backing, reinforced concrete, gypsum block partitions, East Tennessee grey marble work for banking room, entrances, wainscoting, etc.; struct. steel, steel stairs, misc. and orn. bronze and iron work, Barrett AA 4-ply roof, Celotex, cement, terrazzo, tile, marble and rubber tile floors, Voightmann metal windows, Swartout ventilators; R. H. Hunt Co., Archt., James Bldg. 5-10

Tex., Austin—Pyramid Stone Co., National and Center St., Houston, has contract at \$37,850 for artificial stone for 12-story medical and professional bldg. for O. O. Norwood, Seventh and Colorado Sts.; Gleescke & Harris, Archts., 207 W. Seventh St.; Frank Barrios, Contr., 121 W. Seventh. 4-26

Tex., Dallas—American Exchange Natl. Bank, Nathan Adams, Pres., let contract to Henger & Chambers, Dallas Natl. Bank Bldg., to raze buildings on site for \$350,000 addition and construct foundation; struct. steel and Indiana limestone, 6 stories; Lang & Witcheff, Archts., Amer. Exch. Bank Bldg. 4-19

Tex., Paducah—S. H. Gentry, Paducah, has contract for \$25,000 bank building; brick, 2 stories, 25x100 ft., conc. and oak floors, conc. foundation, built-up felt roof; plans by Irving D. Porter, Federal Bank Bldg., Dallas; work started. See Want Section—Building Material and Equipment.

Tex., Waco—Medical Arts Investment Co., C. L. Benson, Shreveport, La., interested, erect \$400,000 Medical Arts Bldg., Fifth and Franklin Sts.; brick, tile, rein. conc., steel, cast stone, 10 stories, about 100x48 ft., tile, terrazzo and cement floors, marble partitions, metal lath and plaster, metal doors, elevators; garage, 1 story and basement, brick, tile and rein. conc.; Flint & Broad, Archts., 306 Melba Bldg.; C. L. Shaw, Contr., 767 S. Lamar St., both Dallas; 220 tons steel to Central Texas Iron Works, Waco. 5-24

Churches

Ala., Whistler—Methodist Church started work on Sunday school addition. Address The Pastor.

Ark., Hoxie—Methodist Church, Rev. J. E. Lark, Pastor, let contract for \$10,000 building to Beals & Hudson; brick, 1 story, 70x38-ft. auditorium, 3 classrooms, 20x30 ft. each, wood floors, comp. roof. 3-10

Fla., Arcadia—First Baptist Church, L. B. Mershon, Chmn., Bldg. Comm., let contract to enlarge building to Castle-Hale Construction Co., Sarasota; \$30,000; J. C. Harris, Archt. 2-23

Ga., Atlanta—Candler Memorial Episcopal Church started work on Sunday school and temporary church, McLendon Ave.; ordinary type, 3 stories, 110x50 ft., conc. and wood floors, comp. shingle roof; Chas. H. Hopson, Archt., Healey Bldg., Atlanta; Wm. Alden, Contr., Decatur, contract at \$26,000. 5-24

Ga., Decatur—Decatur Episcopal Church started work on first unit of building, E. Ponce de Leon Ave. and Oak St.; Wm. Alden, Contr.

Md., Cumberland—Pittsburgh-Des Moines Steel Co., 429 Penn. Ave., Pittsburgh, Pa., has contract for 100 tons struct. steel for church.

Mo., St. Louis—Eighth Church of Christ, Scientist, let contract for \$200,000 building; Skinner Rd. and Wydown Blvd., to Humes-Deal Construction Co.; brick, 2 stories; Aegeter & Bailey, Archts., Rwy. Exch. Bldg.

Mo., St. Louis—Tower Grove Baptist Church, 4320 Norfolk St., erect \$20,000 brick bldg.; 2 stories, 54x90 ft., comp. roof, warm air heat; Ferrand & Fitch, Archts., 6188 Delmar Ave.; constr. by A. Swyers, 4001 Castelman St.

Tenn., Humboldt—First M. E. Church, South, L. S. Adams, Chmn., Bldg. Comm., let contract to W. L. Roberts, Humboldt,

for \$50,000 to \$60,000 Sunday school and remodeling main auditorium; brick, 2 stories and basement, 77x120 ft., wood floors, slate and comp. roof, steam heat; Edwin B. Phillips, Archt., Fidelity Bk. Bldg., Memphis. 5-3

Tenn., Red Bank, Chattanooga—Red Bank M. E. Church let contract to Orr & Barnes for \$30,000 building; Mission Gothic type; R. H. Hunt Co., Archt., James Bldg., both Chattanooga. 1-19

Tex., Dalhart—Methodist Church let contract at \$28,898 to Kugler Construction Co., Oliver-Eagle Bldg., to complete church; Wm. C. Townes, Archt., Old Post Office Bldg., both Amarillo.

Tex., Dallas—Dr. E. E. Wilson, 2204 McKinney St., let contract to Cowden Bros. for \$22,000 residence, Turtle Creek Estates; Italian type, stucco and brick veneer, 2 stories, tile wainscoting; Fonzie Robertson, Archt., 4707 Neola Drive. 3-29

Tex., Vickery—First Baptist Church let contract to Abe M. Cain, Richardson, for \$12,000 building; brick and conc.; 2 stories; C. H. Leinbach, Archt., Cent. Bank Bldg.

Va., Martinsville—Christian Church, Rev. C. Marion Wales, Pastor, erect \$40,000 building; contract let.

Va., Roanoke—First Presbyterian Church excavating for \$250,000 church and Sunday school, South Roanoke; native stone, 3 stories, 60x250 ft., wood floors, conc. foundation, slate roof; Louis Philippe Smith, Archt., 112 Kirk Ave., Roanoke; Meyer & Mathieu, Consult. Archts., 316 Flatbush Ave., Brooklyn, N. Y.; D. J. Phipps, Contr., Boxley Bldg., Roanoke. See Want Section—Building Material and Equipment. 5-24

City and County

Ga., Atlanta—City Council, Howard G. McCutcheon, Chmn., City Hall Comm., let contract at \$7300 to H. G. Fleming Co., First Natl. Bank Bldg., Chattanooga, Tenn., for rein. conc. foundation for \$1,000,000 city hall; G. Lloyd Preacher & Co., Inc., Arch's-Engrs., Wynne-Claughton Bldg., Atlanta. 5-17

Dwellings

D. C., Washington—Boss & Phelps, 1417 K St., N. W., have permit for 9 brick dwellings, 4470-76 Q St., N. W.; 2 stories; \$85,000; owners build.

D. C., Washington—Merle Thorpe, Connecticut Ave. and H St., N. W., erect \$80,000 Colonial residence, Rockville Pike; brick 2½ stories; A. P. Clarke, Jr., Archt., 816 Fourteenth St., N. W., Washington; Olmstead Bros., Landscape Archts., Brookline, Mass.; Chas. H. Tompkins Co., Contr., 1610 K St., N. W., Washington.

Fla., Miami—C. Ebersole, care D. C. Walker, 332 N. E. 34th St., erect \$13,000 residence and garage, 671 N. E. 57th St.; conc. block, 2 stories, 28x34 ft., tile and wood floors, tile and comp. roof; owner builds.

Fla., Miami Beach—Gale H. Carter, Coconut Grove, let contract for \$10,000 addition to residence, Bay Rd. and 41st St.; conc. block, tile roof.

Ga., Augusta—J. Wm. Clark, 881 Broadway, New York, let contract for \$50,000 residence to C. Bradt Holley, 1810 Walton Way, Augusta; Georgian type, stucco, hollow tile, 5 baths, 3 stories and basement, tile and hardwood floors, tile roof, steam heat; Willis Irvin, Archt., S. F. C. Bldg., Augusta.

Ga., Atlanta—Dr. Leo P. Daley, 360 Ponce de Leon Ave., let contract to Padgett-Sutton Co., Bona-Alten Bldg., for \$15,000 residence, Lullwater Rd., Druid Hills; 2 stories and basement, 48x41 ft.; Clerk & Lieberman, Archts., 408 Henry-Grady Bldg. 4-19

Ga., Atlanta—F. S. Patterson, 1307 Morningside Drive, N. E., erect 2 duplexes, 64 Twenty-sixth St., N. E., and 1036 Cumberland Rd., N. E.; brick veneer, 1 and 2 stories; \$16,500; owner builds.

Ga., Atlanta—Frank G. Holt let contract for \$10,000 residence to Collins, Holdbrook, Collins, Atlanta Tr. Bldg.; brick veneer, 1 story and basement, hardwood and tile floors, comp. roof, steel sash; Clerk & Lieberman, Archts., Henry Grady Bldg.

Ga., Atlanta—Miss Carolina and Miss Louise Sisson, 346 Leland Terrace, N. E., erect \$8000 residence; brick veneer, 2 stories and basement, hardwood and tile floors, slate roof, steam heat; Clerk & Lieberman, Archts., Henry Grady Bldg.; Collins, Holdbrook, Collins, Contrs., Atlanta Tr. Bldg.

Ga., Atlanta—Mrs. J. M. Rooker, 870 Rooker, 870 Adair Ave., N. E., erect \$16,000 residence, 876 Lullwater Rd., N. E.; brick veneer, 2 stories and basement, 10 rooms, 2 baths, hardwood and tile floors, slate roof, steam heat; Chestnutt & Johnson, Contrs., Gould Bldg.

Ga., Atlanta—A. J. Haley, 800 Greenwood Ave., N. E., erect 2 brick veneer dwellings,

1270-78 Avalon Place, N. E.; 1 story, 6 rooms and bath, hardwood floors, comp. shingle roof, hot air heat; \$11,000; owner builds.

Ga., Brunswick—S. L. Mallard erect 7-room English type cottage; T. C. Wood erect 7-room Spanish type; H. J. Altman erect 5-room Spanish type, and C. Land erect 7-room Spanish type; all on Glynn Isle; plans by Francis L. Abreu, Archt., 1504½ New-castle St.

Ga., East Point—E. J. Sherley erect 6 dwellings, Forrest and Semms Sts.; \$30,000; T. K. Windham, Contr., 629 Spring St., N. W., Atlanta.

La., New Orleans—J. M. Rault, Whitney Bldg., erect 2-story frame residence, Versailles Blvd.; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg.; bids May 31.

La., New Orleans—Frank J. Daigre, 2241 Magazine St., erect single 2-story residence, Magazine and Camp Sts.; J. L. Foret, Contr., 623 Seguin St.

La., Shreveport—H. A. Peterman, 222 Wall St., let contract at \$17,411 to J. M. Brown, 219 Milam St., for residence, Line Ave. and Rutherford St.; brick veneer, 2 stories; M. D. Weeks, Jr., Archt., 1531 Laurel St. 5-17

Md., Baltimore—Philip S. Morgan, 514 St. Paul St., erect \$22,000 stone dwelling, 4711 Springlake Way; 3 stories, 42x70 ft., oak floors, stone foundation, slate roof; Cyril H. Hebrank, Archt., Cent. Sav. Bank Bldg.; F. B. Goddard, Engr., 3800 Hamilton Ave.; owner builds. 5-24

Md., Baltimore—Alton T. Nichols, 43 S. Hilton St., erect 24 dwellings, 3500 and 3600 blocks Wabash Ave., Ashburton; brick, 2 stories, 19x33 ft., slate roofs, hot water heat, porches; \$60,000; E. L. Goryon, Archt.; owner builds.

Md., Baltimore—Columbia Building Co., 3600 Harford Ave., Frank Novak, Pres., erect about 40 dwellings, W. side Wolfe St., adjoining Holy Cross Cemetery; 2 stories, 6 and 7 rooms and bath; owner builds.

Md., Baltimore—Edw. Greenlaw, 707 University Pkwy., let contract for \$20,000 stone residence and garage, 4108 St. Paul St., to C. K. Wells, Jr., 3538 Old York Rd.; 2½ stories, 87x56 ft., slate roof, hot water heat; Palmer & Lambdin, Archts., 513 N. Charles St. 5-17

Md., Baltimore—R. B. Construction Co., Granada Ave., erect 6 brick dwellings, 5015-25 Palmer Ave.; 2 stories; \$20,000; owner builds.

Md., Baltimore—Maryland Realty Corp., 20 E. Franklin St., erect 11 brick dwellings, 3201-21 Clifftown Ave.; 2 stories, 22x32 ft. and 20x32 ft., hot air heat; \$28,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—R. B. Construction Co., Granada Ave., erect 6 brick dwellings, 5015-25 Palmer Ave.; 2 stories, 14x46 ft., slag roof; \$20,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Chas. W. Bald, Jr., 3303 Alto Ave., erect \$18,000 residence and garage, 30 Charicote Rd.; 2½ stories, 40x35 ft. and 21x18 ft., slate roof, hot water heat; T. Worth Jamison, Archt., 12 E. Pleasant St.; J. Raymond Gerwig Co., Inc., Contr., 213 St. Paul St.

Md., Baltimore—Allen P. Miller, 726 E. 36th St., erect 6 frame dwellings and garages, 2806-16 Louisa Ave.; 2 stories, 22x25 ft. and 10x16 ft., shingle roofs, steam heat; \$18,000; plans and constr. by owner.

Miss., Clarksdale—R. N. McWilliams let contract to W. R. Ellis for residence to replace burned structure near Clarksdale; English type.

Miss., Ocean Springs—Mrs. C. D. Peacock, 101 S. State St., Chicago, Ill., erecting \$70,000 Colonial residence, Gulf Hills, under supervision of E. J. Lehman, 22 W. Monroe St., Biloxi; Shourds & Bean, Archts., Gulfport.

Mo., Kansas City—Edw. B. Rosenberg, Bldr., 5729 Holmes St., erect number bungalows, 54th and Charlotte Sts.

Mo., St. Louis—W. Waldbauer, 3656 Botanical Ave., erect \$10,000 residence, 6807 Leona St.; brick, 2 stories and basement, 28x41 ft., hot water heat, hardwood floors, tile roof; T. Brinkman, Archt., 2124 Victor St.; O. C. Farber, Contr., 4315 Kingshighway, S. ; work started.

Mo., St. Louis—R. Roland, 3345 Oregon Ave., erect \$10,000 brick residence, 3741 Mera-mec St.; 1½ stories and basement, 26x41 ft., stone foundation, comp. shingle roof, hardwood floors, hot air heat; Hiram Phipps, Archt., 4162 Castleman Ave.; E. W. Emmenegger, Contr., 3715 Baylis St.

Mo., St. Louis—Wm. Rathgeber erect brick residence, Goodfellow St. near Florissant Ave.; 2 stories and basement, 32x28 ft.; Vin-

cent C. Mueller, Archt., 7340 Lavets Ave., Richmond Heights; bids in.

Mo., St. Louis—H. C. Vollmar, 6105 Simpson St., erect 8 brick dwellings, 6500 and 6000 blocks Tholoan St.; 1 story, 24x30 ft., hot air heat; \$24,000; plans and constr. by owner.

Mo., St. Louis—A. P. Reiser, 6036 Arendes Drive, erect 3 brick dwellings, 3800 Federer Place, 3925 Bowen and 3800 Loughborough Sts.; 2 stories, 26x30 ft. and 24x30 ft., slate and comp. roofs, hot air heat; \$12,000; plans and constr. by owner.

Mo., St. Louis—W. J. Longeran, 2654 Washington Ave., let contract to Higbee Brothers Construction Co., Rwy. Exch. Bldg., for \$20,000 brick and cinder tile residence, Hampton Park; 2 stories and basement, 100x38 ft.; Trueblood & Graf, Archts., Chemical Bldg. 3-22

Mo., St. Louis—A. R. Darr, 4300 Dewey Ave., erect \$20,000 brick residence, 3805 Kingshighway; brick, 2 stories and basement, 42x32 ft., tile bath, hardwood floors, tile or slate roof, hot water heat, \$20,000; F. M. Avis, Archt., 1021 Big Bend Rd.; owner builds.

Mo., St. Louis—G. L. Sours, 4551 Washington Ave., erect 2 brick dwellings, 1628-30 Gregg Ave.; 1 story and basement, 28x28 ft., conc. foundations, hardwood floors, tile baths, comp. shingle roof; \$10,000; Geo. B. Willmering, Archt., 4118 W. Florissant Ave.; owner builds.

Mo., St. Louis—Christian Brinkop, 3621 S. Grand Ave., erect 11 duplexes, Dunnica St., Grand Gravois Park sub-division; brick, 2 stories; \$110,000; Kirk W. Moses, Contr., 3643 Bowen St.

Mo., St. Louis—Frank T. Manske, 4965 Margaret Ave., erecting \$15,000 residence, Bellefontaine Rd. near Church Rd.; brick, 2 stories and basement, 52x30 ft., tile bath, slate roof, warm air heat; Manske & Bartling, Archts., 410 N. Euclid Ave.; owner builds.

Mo., St. Louis—L. E. Brockmeier erect 4 brick dwellings, 1443-47 and 1554-58 Graham St.; 1-story, 25x38 ft., comp. shingle roofs, hot air heat; \$16,000; R. A. Hasenbeck, Contr., both 4554 Washington St.

Mo., St. Louis—J. G. Niemeyer, 3193 Portis St., erect 3 brick dwellings, 1507-11-15 Prather St.; 1 story, 24x43 ft., asphalt shingle roofs, hot air heat; \$10,000; plans and constr. by owner.

Mo., St. Louis—G. F. Graner, 6358 Marmaduke St., erect 3 brick dwellings, 6615-23-27 Odell St.; 1 story, 26x39 ft., comp. shingle roofs; \$12,000; Graner Contracting Co., Contr., 2317 Tennessee St.

Mo., Kirkwood, St. Louis—D. M. Mitchel, Saum Apts., St. Louis, erect \$10,000 residence and garage, Taylor St. near Essex St.; frame, 2 stories, 36x28 ft., comp. roof, hot water heat; Dan Mullen, Archt., 18 N. Mermec St., Clayton; John H. Berg, Contr., 504 W. Shady St.

Mo., Kirkwood, St. Louis—Martin Rott, R 12, erect \$10,000 residence and garage, Kirkwood Rd. and Woodbine St.; brick, 1½ stories, 33x34 ft., tile roof, hot water heat; plans by owner; Paule, Contr.

Mo., Kirkwood, St. Louis—S. M. Grossman, 524 Central St., erect 2 brick dwellings, Corona Park; 1 story, 32x38 ft. and 26x40 ft.; comp. roofs, hot air heat; \$11,000; plans and constr. by owner.

Mo., St. Louis—E. H. and A. Twellmann, 3240 N. 20th St., erect \$10,000 brick residence, 1642 Grape Ave.; 2 stories and basement, 30x46 ft., hardwood floors, tile bath, asphalt shingle roof, hot air heat; Bernhard Becker, Archt., 425 Georgia Ave., Ferguson; H. H. W. Hemminghouse, Contr., 1417 Destrehan Ave.

Mo., University City, St. Louis—Fred H. Voss, 4117 Potomac St., erect \$10,000 residence, 7326 Chamberlain Ave.; brick, 1½ stories and basement, 28x24 ft., hardwood floors, tile bath, comp. shingle roof, steam heat; V. R. Appel, Contr., 1600 Big Bend Blvd.; work started.

Mo., University City, St. Louis—Carl Scott, 8403 Trenton Ave., erect \$10,000 residence, 7500 Trenton Ave.; brick, 1½ stories and basement, 28x30 ft., tile bath, hardwood floors, hot air heat; Guarantee Construction Co., Contr., Wainwright Bldg., St. Louis.

Mo., University City, St. Louis—Dr. G. V. Stryker, 5567 Clemens Ave., erect \$12,000 residence, Central Suburbs; brick, 2 stories and basement, 35x23 ft., tile bath, hardwood floors, hot water heat, slate roof; Berkley Construction Co., Contr., 6625 Delmar Blvd.

Mo., University City, St. Louis—B. R. Trotter, 6915 Amherst Ave., erect \$10,000 residence; brick, 2 stories and basement, 35x24 ft., hardwood floors, tile bath, stone foundation, hot water heat; Arbogast Construction Co., Contr., 6625 Delmar Blvd.; work started.

Mo., University City, St. Louis—Geo. Hill, 1354A Montclair Ave., erect \$10,000 residence, 1235 Purdue Ave.; brick, 2 stories and basement, 29x30 ft., stone foundation, comp. shingle roof, tile bath, hardwood floors, hot air heat; Sidney Stokes, Jr., Archt.; Stokes Construction Co., Contr., both 6117 Adeline Ave.

Mo., University City, St. Louis—Arthur Seeger, 4500 Magnolia Ave., erect \$12,000 residence, 7150 Washington Ave.; brick, 2 stories and basement, 35x32 ft., hardwood floors, stone foundation, slate roof, hot water heat, tile bath; Koester Bros., Contrs., 2865 Laclede Rd., Maplewood.

Mo., Webster Groves, St. Louis—D. M. Roberts, 7246 Arsenal St., erect \$10,000 residence; brick and tile, 2 stories and basement, 28x29 ft., tile baths, hardwood floors; R. A. Dudeck, Contr., 1452 McCausland Ave.

Mo., Webster Groves, St. Louis—Floyd Davis, Rock Hill Rd. and Frisco R. R., erect \$10,000 residence, 220 Old Orchard Rd.; frame, 2 stories and basement, 33x27 ft., tile bath, hardwood floors, conc. foundation, comp. roof, hot water heat; Payne Bros., Contrs., 764 Big Bend Blvd.; work started.

Mo., Webster Groves, St. Louis—F. A. Roth, 7723 Lansdowne Ave., started work on \$10,000 residence, 440 E. Jackson Rd.; brick, 2 stories and basement, 32x32 ft., hardwood floors, comp. roof, tile bath, hot water heat.

N. C., Charlotte—C. J. Smith started work on \$20,000 residence, Sherwood Ave.; J. A. Jones Construction Co., Contr., Coml. Bank Bldg.

N. C., Charlotte—W. States Lee, Jr., started work on \$15,000 residence; J. A. Jones Construction Co., Contr., Coml. Bank Bldg.

N. C., Winston-Salem—E. O. Aiken erecting Colonial residence, Linwood Ave., West Highlands; 10 rooms, 2 stories; Real Estate Service Co., Contr., Nissen Bldg.

N. C., Winston-Salem—J. C. Curran started work on 9-room residence, Cloverdale Ave. and W. First St., West Highlands; Real Estate Service Co., Contr., Nissen Bldg.

Okla., Tulsa—H. D. Cornell, 1336 E. 26th St., remodel residence; \$10,000; swimming pool; John T. Blair, Archt., Palace Bldg.; contracts let.

Okla., Tulsa—D. F. McMahon, 2104 S. Madison St., remodel and enlarge residence; \$11,000; John T. Blair, Archt., Palace Bldg.; contracts let. 5-3

S. C., Aiken—W. C. Pittfield, Montreal, Canada, let contract at \$32,391 to Branch & Smith, 334 Walker St., Augusta, Ga., for frame, stucco and stone residence, S Boundary St.; 2 stories and basement, hardwood floors, asbestos shingle roof; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta. 4-9

S. C., Jacksonboro—Marshall Crane, Dalton, Mass., let contract at about \$40,000 to Clarke & Clarke, Savannah, Ga., for residence, garage and servants' quarters, Hope Plantation; Colonial type; Simons & Lapham, Archts., 42 Broad St., Charleston, S. C.

Tenn., Memphis—Ed Ash erect 3 brick-veneer dwellings, 198-212-222 Crestmere Place; 1 story and basement, 28x55 ft., oak floors, comp. shingle roof, tile baths, hot water heat; \$15,000; Ed Ash & Son, Contrs., both Empire Bldg.

Tex., Corpus Christi—T. H. Martin let contract to R. B. Suttle, McAllen, for 3 dwellings, Del Monte addition; 5 rooms.

Tex., Fort Worth—John P. King, 1214 Presido St., erecting \$40,000 brick veneer residence; J. F. Staub, Archt., Second Natl. Bank Bldg., Houston; B. B. Adams, Contr., First Natl. Bldg., Fort Worth. 5-17

Tex., Galveston—R. W. Boney, 3726 Q½ St., plans residence, Cedar Lawn; owner builds.

Tex., Galveston—O. Celli erect \$16,500 duplex, 2501 Avenue P½; brick veneer, 10 rooms; R. W. Boney, Contr., 3726 Q½ St.

Tex., Houston—Frank P. Bowen, 540 Harvard St., started work on residence, 3728 Elnora St., Southside Place; G. H. Pond, Contr., 935 Pizer St.

Tex., Houston—Harry E. Terrell started work on residence, 3739 Jardin St., Southside Place; W. E. Barrow, Contr.

Tex., Houston—Geo. H. McCormick, 304 Bremond St., started work on residence, 3731 Elnora St., Southside Place; T. D. Thacker, Contr., West Bldg.

Tex., Houston—Chas. Koenig, 318 Hawthorne St., started work on residence, River Oaks; Louis P. Josseland, Archt., First Nat. Bk. Bldg.; Jas. A. Roberts, Contr., Bkrs. Mtg. Bldg.

Tex., Houston—Sam M. Allen, Telephone Rd., started work on \$30,000 residence near Park Place; brick veneer, 2 stories, 2 baths, green tile roof, garage; Raymond Allen Construction Co., Contr., 1910 Driscoll St.

Tex., San Antonio—H. Crutchfield, 521 Milam Bldg., erect 6 brick veneer dwellings, 300 and 400 blocks Avant St.; 6 rooms; \$3500 each; owner builds.

Tex., San Antonio—Walter Negley, Branam Blvd., let contact at \$60,728 to G. W. Mitchell, 311 Bldrs. Exch., for residence, Olmos Park Estates; Spanish type, stone, 2 stories, wood and tile floors, rein. conc. foundation, tile roof; Geo. Louis Walling, Archt., Austin; Albaugh & Steinbomer, Supvg. Archts., Real Estate Bldg., San Antonio. 4-17

Tex., San Antonio—Mrs. Amye Bozarth, 221 Devine Rd., erect \$50,000 Spanish type dwelling, Thelma Drive and Hildebrand Ave.; 4 baths; also erect 2 dwellings, Thelma Drive; work started on English type residence, Park Hill Drive, East.

Tex., San Antonio—Exchange Realty Co., 409 Navarro St., erect 5 dwellings, 430-31-34-39 Vanderbilt and 420 Steves Sts.; tile and stucco, \$5000 each; \$4000 each.

Tex., San Antonio—T. H. Johnson, Contr., erect 50 dwellings, Highland section of Inverness; rock and brick, rein. conc. foundations, 5 and 6 rooms; sell for \$7500 to \$8000 each.

Government and State

Ala., Birmingham—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., let contract at \$38,962 to James H. Elkins Construction Co., 3900 Avenue A, Birmingham, for completing attic story, post office and courthouse. 5-17

Hospitals, Sanitariums, Etc.

Mo., Kansas City—City let contract at \$196,434 to J. T. Neil & Son, 244 Rwy. Exch. Bldg., Kansas City, Mo., for negro hospital, 22d St. and McCoy Ave.; 6 stories and basement, rein. conc., brick and steel; Fredk. C. Gunn, Archts., Continental Bldg., Kansas City. 5-3

Mo., Kansas City—St. Joseph Hospital excavating for \$400,000 nurses' home, 31st St. and Linwood Blvd.; conc. frame, fireproof, 6 stories, Y shape, about 150x150 ft.; furnishings, equipment, etc., \$100,000; Wight & Wight, Archts., First Natl. Bank Bldg., Kansas City; Humes-Deal Co., Contr., Arcade Bldg., St. Louis; heating, elect. work, plumbing and elevators not let. See Want Section —Building Material and Equipment. 5-17

Tex., Laredo—Sisters of Mercy started work on \$80,000 addition to Mercy Hospital; rein. conc., Pyrobar partitions and in floors, tile floors, 3 stories, 64x47 ft.; tile and comp. floors, rein. foundation, Barrett Specification roof; M. S. Ryan, Archt., Laredo; W. E. Simpson & Co., Engrs., Natl. Bank of Com. Bldg.; August A. Fuessel, Contr., both San Antonio. 5-24

Tex., Temple—Scott & White Hospital erect 3-story annex instead of 2-story building lately noted; constr. under way by Bob Love; rein. conc., steel and hollow tile, stone cornices; 100x55 ft.; \$75,000. 4-26

Hotels and Apartments

Ark., Little Rock—Kahler Construction Co. has permit for \$30,000 apartment, 1710-12 W. 24th St.

Ark., Little Rock—Farrell Hotel Co., C. M. Farrell, Pres., Boyle Bldg., plans \$1,000,000, 10-story, Albert Pike Hotel, 7th and Scott Sts.; Spanish type, 2-story, fireproof, 140-car garage adjoining; Eugene J. Stern, Archt., A. O. U. W. Bldg.; W. F. Ault, Contr., Moore and Turner Bldg.

Ark., Little Rock—Kahler Construction Co., August Kahler, Pres., 2515 Izard St., started work on \$30,000, 2-story, brick veneer apartment, 1710-12 W. 24th St.; tile roof, 8 garages, electric refrigerators.

Fla., Jacksonville—F. F. Myers has permit for \$19,000, 2-story, brick veneer apartment, S. Rosselle St., for Mrs. Lena Wernicoff.

Fla., Jacksonville—T. F. Johnson, 401 Realty Bldg., has permit for \$18,000, 2-story, brick veneer apartment on Post St. between James and Cherry Sts.; owner builds.

Fla., South Bay—Mrs. Riley Brooks started work on 20-room hotel.

Ga., Atlanta—Phillip Ableman, 52 Mangum St., S. W., erect \$25,000, 2-story and basement, brick veneer, 12-apartment, 307 8th St., N. W.; comp. roof, hardwood floors, steam heat; owner builds.

Ga., Marietta—L. A. Stow, Atlanta, has contract for 40-room hotel.

La., Jonesboro—S. A. Nomey let contract at \$26,500 to S. J. Rockhold for 3-story, 60x100 ft., rein. conc., brick and stone trim hotel on Main St.; built-up comp. roof, struct. steel land iron, tile and marble work, 28 rooms; J. W. Smith & Associates, Archts., Ouachita Natl. Bank Bldg., Monroe. 5-10

Md., Baltimore—Hampden Building Co. has permit for \$10,000, 3-story, 40x42-ft. apartment, 2207 Allendale St.; slag roof, steam heat; Stanislaus Russell, Archt., 11 E. Lexington St.

Miss., Vicksburg—Magnolia Hotel Co. soon start work on \$500,000, 8-story, 73x103 ft., rein. conc. hotel; H. L. Stevens & Co., Archts.-Constrs., 30 Michigan Ave., Chicago; ready for sub-contracts about July 15. 3-22

Mo., Kirkwood, St. Louis—S. M. Grossman, 524 Central St., erect 2-story, \$41,000, 34x117 ft. apartment, Washington and Van Buren Sts.; also \$18,000, 34x52 ft. apartment, Van Buren St.; both 2 stories, brick, tar and gravel roof, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—B. Franklin, 5707 Lotus St., erect \$10,000, 2-story, 24x44 ft., brick tenement, 5624 Labadie St.; asphalt shingle roof, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—Wipfler Construction Co., Paul Brown Bldg., erect \$90,000, 3-story and basement, 52x123 ft., brick and rein. conc., 24-apartment, 5628 Clemens Ave.; terra cotta trim, hardwood floors, comp. roof, in-a-door beds, electric refrigeration, incinerator; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—I. W. Miller and M. M. Cohen, 6820 Delmar Blvd., erect 3-story and basement, 120x35 ft., brick, 21-apartment, Northwood Ave., west of Skinker Rd.; Ben Shapiro, Archt., 4202 Holly Ave.; owner builds.

Mo., St. Louis—Ewald Schroeder Construction Co., 46 Raquet Drive, Normandy, erect \$25,000, 2-story, brick apartment, Carter and Richards Pl.; Schulte & Tarling, Archts., Grand St. Louis Bldg.

Mo., St. Louis—A. J. Kirchner, 7342 Manchester St., Maplewood, let contract to H. Mayer Co., 3617 S. Grand Ave., for brick store and apartment, Winona and Kingshighway; R. E. Tisdale, Archt., 3617 S. Grand Ave.

Mo., St. Louis—W. Rodefild, 4676 W. Florissant St., erect two 2-story, 34x49 ft., brick tenements, and two 1-story, 18x33 ft. garages, 4452-56 Kingshighway; \$20,000, comp. roof, hot air heat; G. Becker, Archt.; owner builds.

Mo., St. Louis—K. Lalendecker, 5432 Nagel St., erect \$16,000, 2-story, 64x40 ft., brick tenement, 3420 Lawn St.; asphalt shingle roof; owner builds.

Mo., St. Louis—L. Wiessmann, 3809 N. 22d St., erect \$10,000, 2-story, 37x54 ft., brick tenement, 3815-17 N. 22d St.; comp. roof, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—Reed-Nelson Construction Co., American Exchange Bank Bldg., erect three 2-story, 25x46 ft., brick tenements, 6008-16 Carlsbad St.; \$18,000, asphalt shingle roof, hot water heat; Wedemeyer & Nelson, Archts., Wainwright Bldg.; owner builds.

Mo., St. Louis—J. Voracek, 1636 Carroll St., erect \$10,000, 2-story, 37x49 ft., brick tenement, 5056-58 Oleatha St.; tile roof, hot air heat; O. Grahmer, Bldr., 3185A Portis St.; R. Weinberger, Archt., 2043 Allen St.

Mo., St. Louis—A. Boughton has permit for \$50,000, 3-story, 48x88 ft., brick tenement, 5653 Clemens St.; comp., tar and gravel roof, steam heat; G. B. Boughton, Contr., both 7221 W. Park St.

Okla., Tulsa—Taylor, Easterling & Co., Inc., Kennedy Bldg., offering \$100,000 7% 5-year collateral trust gold notes for completion 14-story, \$500,000 hotel for Minks Hotel Co., Shreveport and Fourth Sts.; Van Horn Construction Co., Contr., 526 S. Kenosha St.; F. D. Redlick, Archt. 1-19

Tenn., Memphis—White Realty Co. let contract to W. E. White, both 505 Fidelity Bank Bldg., for \$100,000, 2-story and basement, brick veneer, 36-apartment, 1806-22 poplar Ave.; comp. and tile roof, hardwood floors, stone trim, electric refrigeration, steam heat; Polk W. Agee, Archt., 1315 Fidelity Bank Bldg. 4-19

Tenn., Memphis—D. S. Oldswanger, Dermon Bldg., started work on \$50,000, 2-story and basement, brick veneer, 16-apartment, 352-54 N. Cleveland St.; comp. and tile roof, hardwood floors, electric refrigeration; W. C. Lester, Archt.; Dave Dermon Realty Co., Contr., both Dermon Bldg.

Tenn., Paris—J. L. Holland let contract to remodel Holland Hotel; construct new lobby, convert present one into mezzanine floor for lounge rooms and music room.

Tex., Beeville—Schwab & Reed let contract at \$50,034 to W. H. Walters, Corpus Christi, for 2-story, 40x130 ft., 48-room addition to Kohler Hotel; fireproof; Leo M. J. Diemann, Archts., 306 E. Commerce St., San Antonio. 5-24

Tex., Houston—George R. Christie erect \$75,000, 3-story, 78x125 ft. hotel, Fannin and Bell Sts.; stores on first floor; L. W. Lindsay, Contr., both Second Natl. Bank Bldg.

Tex., San Antonio—Abilene Hotel Co., W. G. Swenson, Pres., let contract to R. E. McKee, 1918 Texas St., El Paso, for 2-story, 140x200 ft., brick, tile and rein. conc., east stone trim store and garage; plumbing and heating, R. G. Cogdell; electric, Moody Electric Co.; David S. Castle Co., Archt., 701 Alexander Bldg. 5-17

Tex., San Antonio—Mrs. W. H. Trinin, 123 Claremont St., let contract to W. H. Moore, Kelly Field, for \$15,000, stucco, 24-room, 8-apartment, 703 Woodlawn St.

Tex., San Antonio—Mrs. Consuela, 318 Madison St., has permit for \$10,000, 2-story, stucco, 4-apartment, 304 Madison St.; Heath-Kinsey Construction Co., Contr., 446 Menchaca St.

Va., Richmond—City Housing Corp. taking sub-bids on four 4-family apartments; \$40,000; work to start about July 1. See Want Section—Building Material and Equipment.

Miscellaneous

Ala., Montgomery—Children's Home Assn., Kate Unfelder, Sec., First Natl. Bank Bldg., erect \$30,000, 2-story, 40x100 ft., brick administration building; Hugger Bros. Construction Co., Contr., Shepherd Bldg.; Frank Lockwood, Archt., 119 Adams St.

La., Lafayette—Bishop J. Jeanmard let contract at \$65,120 to Eugene Guillot, New Iberia, for alterations to chapel and additions, 3-story, brick, St. Mary's Orphanage Asylum; Emile Well, Inc., Archt., 926 Whitney Bldg., New Orleans. 5-10

Miss., Hattiesburg—Hattiesburg Country Club let contract at \$10,975 to W. M. Wright, Petal, Miss., for one-story and basement, 50x80 ft., brick and tile clubhouse; E. C. Hearon & Sons, Archts., 201½ W. Pine St. 5-24

Tex., Fort Worth—Northern Texas Traction Co., 400 Main St., started work on one-story, brick and tile clubhouse, E. Front and Pine Sts.

Tex., Houston—Philo Dramatic Musical Club, Vincent Chiodo, Pres., broke ground for \$20,000, 70x110 ft., 2-story, brick veneer building, 4200 N. Main St.; accommodate 1500 people; D. D. Pittman, Archt., Prince Bldg.; Pittman & Copeland, Contrs.

Railway Stations, Sheds, Etc.

Tex., Progresso—San Benito and Rio Grande Valley Rwy. Co., G. H. Winsor, Pres., San Benito, let contract to Homer L. Fitch for one-story, 87x20 ft., frame and stucco freight and passenger station; asbestos shingle roof. 5-3

Schools

Ala., Tuscaloosa—University of Alabama, care Shaler Houser, let contract at \$144,341 to Skinner Building Co., Merchants Bank Bldg., for Woman's Building; 3 stories and basement, 78x125 ft., conc. and brick, stone trim; plumbing and heating, \$12,871, Cole Supply Co.; Miller & Martin, Archts., 911 Title Guarantee Bldg., Birmingham. 5-10

Ark., Bentonville—Bentonville Public Schools, D. M. Greer, Supt., let contract to E. M. Ratliff Co., Fayetteville, for \$100,000 high school; heating and plumbing, Tanner Plumbing Co.; J. P. Almand, Archt., Boyle Bldg., Little Rock. 4-19

Ark., Black Rock—School Bd., R. W. Moore, Supt., let contract at \$16,000 to Hillhouse & Kaiser, Smithville, for 6-room school; auditorium to seat 700; E. H. Wolpert, Archt., Jonesboro. 5-10

Ark., Manila—School Bd. started rebuilding Manila High School, damaged by fire; 10 rooms and auditorium, brick, \$15,000 to \$20,000.

Ga., Manchester—School Bd. started work on 1½-story, 170x56-ft. brick veneer high school; tar and gravel roof, hardwood floors, art stone trim; W. C. Hinton, Cordele, contract at \$26,800; Daniell & Beutell, Archts., 307 Healey Bldg., Atlanta. 5-24

Ky., Pikeville—Pikeville College, Dr. J. F. Record, Pres., started work on \$100,000, 3-story and basement, fireproof, brick and stone boys' dormitory; dining room accommodate 335 persons, recreation department, matrons' home and rooms for 96 students; E. E. Ramey, Contr., Ashland.

La., Hesser—Avoyelles Parish School Bd.

let contract at \$46,700 to E. E. Rabalais, Bunkie, for 2-story, brick, stone trim school; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans.

La., Springhill—Webster Parish School Bd., E. S. Richardson, Sec., let contract at \$60,892 to H. Cleveland, Giddens Lane Bldg., Shreveport, for 2-story, rein. conc., brick, stone trim school; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 5-3

Md., Baltimore—Following subcontracts awarded on \$150,000 school and recreation center, Pratt and Mount Sts., now being erected for Fourteen Holy Martyrs' Catholic Church, Rev. Bede Hornick, Pastor; Frainle Bros. & Haigley, Contrs., 19 W. Franklin St.; Vapor heat, Hughes Engineering & Construction Corp., 2 W. 22nd St.; electric, Jos. B. Dreisch, 116 W. Mulberry St.; plumbing, Frank J. Knell, 2200 W. North Ave.; 4 stories, 82x176.6 ft., brick, Indiana limestone, wood, cement and terrazzo floors, built-up slag roof; Geo. R. Callis, Jr., Archt., 1800 Hearst Tower Bldg.; V. R. P. Saxe, Struc. Engr., 41 Knickerbocker Bldg. 4-26

Miss., Long Beach—School Trustees, H. L. Blackmarr, Pres., let contract at \$27,800 to Beckelheimer & Small, Gulfport, for one-story, 164x98 ft., brick high school addition; Shaw & Woleben, Archts., Northrop Bldg., Gulfport. 5-17

Mo., Holliday—School Bd. let contract to Rector Construction Co., 407 Main St., St. Joseph, for \$18,000 high school.

N. C., Charlotte—Mecklenburg County Bd. of Education, Frank A. Edmondson, Supt., let contract at \$15,300 to T. S. Costner, Cherryville, for one-story school in Providence township; Louis H. Asbury, Archt., 1514 E. Fourth St. 5-24

N. C., Mechanicsville—Gulfport County Bd. of Education, Greensboro, let contract at \$23,450 to Acme Lumber Co., Greensboro, for Mechanicsville-DeLane School near High Point.

N. C., Ruth—Rutherford County Bd. of Education, Clyde A. Erwin, Supt., Rutherfordton, let contract to James Beam, Cherryville, for \$30,000 school; Percy Bloxam, Archt., 607 Wallace Bldg., Salisbury. 5-17

Okla., Medford—Consolidated School Dist. No. 1 School Bd., Art Keller, let contract at \$28,000 to Stewart Construction Co., Oklahoma City, for one-story, 9-room, brick school; P. H. Weathers, Archt., 1006 Oil Exchange Bldg., Oklahoma City. 5-3

S. C., Clinton—School Bd. excavating for \$16,000, 3-story, 32x32 ft., brick high school addition; 6 classrooms, Johns-Manville roof, conc. and wood floors; Casey & Fant, Archts., Anderson; J. Gray Martin, Contr., 27 Calvert Ave. 5-24

Tex., Kenedy—Kenedy Ind. Dist. School Trustees let contract at \$20,700 to Newman Brothers for 4-room addition and remodeling grammar school; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio. 5-17

Tex., Midland—Midland Ind. School Dist. Trustees let contract at \$72,000 to R. F. Ball Construction Co., 806½ Taylor St., Fort Worth for 2-story, 150x62 ft., brick, tile and rein. conc. ward school; cast stone, tile, terrazzo and wood floors; David S. Castle Co., Archt., 701-4 Alexander Bldg., Abilene. 5-10

Tex., San Antonio—Alamo Heights School Bd., Albert Steves, Jr., Pres., let contract at \$241,000 to San Antonio Construction Co., 701-2 Builders Exchange Bldg., for 12-classroom Junior High School and 19-classroom Elementary School; both buildings brick, rein. conc. hollow tile; Harvey P. Smith, Archt., Natl. Bank of Commerce. 5-24

Va., Blacksburg—F. L. Watson, 214 Tenth St., Lynchburg, awarded heating contract at \$11,000 for \$150,000 dormitory, and Simpson & Basham Plumbing and Heating Co., 17 Franklin Rd., Roanoke, heating at \$2723 for Patton Engineering Hall at Virginia Polytechnic Institute; D. J. Phipps, Contr., Boxley Bldg., Roanoke; Carneal & Johnston, Archts., Electric Bldg., Richmond. 5-24

Va., Rosemont, Alexandria—Bd. of Education, R. C. Bowton, Supt., let contract at \$49,115 to Farmville Manufacturing Co., Farmville, for elementary school, Russell Rd. and Morgan Pl.; one-story, 6 classrooms and auditorium, brick; Raymond V. Long, Archt., State Bd. of Education, Richmond. 5-24

W. Va., Lumberport—Eagle Dist. Bd. of Education, Clarksburg, let contract at \$121,000 to L. A. and Leonard Riley, Shinnston, for high school; S. W. Ford, Archt., Latstetter Bldg., Clarksburg. 3-29

W. Va., Warwood—Richland Dist. Bd. of Education, H. A. Smith, Sec., let contract at \$18,000 for high school gymnasium; brick and steel, fireproof, seat 1200 persons; Geo. B. Cunningham, Archt., 318 Central Union Trust Bldg., Wheeling. 4-26

Stores

Ala., Birmingham—Algernon Blair, 11 S. Lawrence St., erect 2-story and basement, 50x80 ft., brick, rein. conc. and stone office and store, Bibb St.; Frank Lockwood, Archt., 119 Adams St.; owner builds.

Ala., Birmingham—J. R. & E. K. Slack, 1316 N. 33d St., let contract to J. H. Holley Construction Co., 817 19th St., Ensley, for 3-story and basement, 50x100 ft., brick and terra cotta store, 27th St. to be leased to S. H. Kress & Co., 114 Fifth Ave., New York; E. J. T. Hoffman, Company Archt.; Bem Price, Asso. Archt., 1420 Comer Bldg.

Ala., Mobile—John W. Rutherford, 1058 Dauphin St., started work on store to be occupied by Piggly-Wiggly Store.

Ark., Fort Smith—C. B. Johnson, 909 S. 26th St., let contract for one-story, 50x140 ft., brick building in 600 block Towson Ave.

D. C., Washington—Julius Garfinckel & Co., 1226 F St., N. W., let contract to Charles H. Tompkins Co., 1608 K St., N. W., for 8-story, 185x145 ft. store, 14th and F Sts.; also for 10 stores adjoining.

D. C., Washington—Southern Construction Co., Room 59, Rust Bldg., erect \$80,000, 2-story, brick store and apartment, Georgia Ave. and Ingraham St., N. W.; C. West, Archt., 1341 Connecticut Ave.

D. C., Washington—Klodne & Clodney, 4705 Kansas Ave., N. W., have contract for remodeling 6-story, brick store, 407 Seventh St., N. W.; \$40,000; Upman & Adams, Archts., Woodward Bldg.

D. C., Washington—Avignone Freres, 2429 18th St., N. W., erect \$50,000 brick store, 1777 Columbia Rd., N. W.; Schneider, Splendid Co., Contr., 1422 F St., N. W.; F. D. Pyle, Archt., 1420 New York Ave.

Fla., Fort Myers—Following sub-contracts awarded on 3-story, semi-fireproof store for S. H. Kress & Co., 114 Fifth Ave., New York, for which G. A. Miller, Inc., is general contractor at \$110,000, foundation in: Heating and plumbing, Edelblut & Co., Inc., Union St.; electric, Bigby Electric Co., Inc., 305 Franklin St., Tampa; Otis freight elevator; millwork, Lakeland Manufacturing Co., Lakeland; struct. steel, Ingalls Iron Works, Birmingham, Ala.; roofing and sheet metal work, South Florida Roofing and Art Metal Works,

Inc., 302 N. Willow St., Tampa; E. J. T. Hoffman, Company Archt.

Fla., Tampa—E. W. Parker, 305 Cass Ave., erect \$20,000, 2 or 3-story store and office, Cass and Morgan Sts.; owner builds.

Fla., West Palm Beach—Wiley Reynolds, 172 S. Ocean Blvd., Palm Beach, let contract to Wilcox Bros., Guaranty Bldg., for \$15,000 duplex store, Clematis St.

Miss., Prentiss—H. W. Williams & Sons erect 60x100 ft., brick store; built-up comp. roof, plate glass front; Dye & Mullings, Contrs., Columbia.

Mo., Kirkwood, St. Louis—S. M. Grossman, 524 Central St., has permit for five brick stores, Geyer and Washington Sts.; tar and gravel roofs, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—J. D. Tobin Real Estate and Investment Co., 109 S. 10th St., erect \$14,000, one and two-story, 48x130 ft., brick store, 1918-20 Washington St.; \$14,000, tar and gravel roof; H. H. Hirsch & Co., Bldr., 107 S. 10th St.; W. Lucas, Archt., 3411 Halliday St.

N. C., Charlotte—J. A. Jones Construction Co., Coml. Bank Bldg., has contract to remodel Graham Apartments on N. Tryon St. for combination storeroom, office and storage building; \$10,000.

N. C., Winston-Salem—Ogburn Realty Co. erect \$23,000, 3-story, 24x90 ft. brick store, Fourth and Church Sts.; gravel roof; Fogle Bros., Archts.-Contrs., 202 Belwus St.

Okla., Blackwell—L. A. Shaw erect 2-story, brick store and office, 114 S. Main St.; O. T. Tyler Construction Co., Contr.

Tenn., Knoxville—B. H. Sprankle, 422 W. Union Ave., started work on 2-story building, Walnut St.; brick, stores on first floor, offices above; Howard Sprankle, Archt.

Tenn., Memphis—Joseph Hanover let contract to Hanover Development Co., both 510 Dermon Bldg., for \$18,000, one-story and basement, 87x100 ft., brick store, 601 Chelsea Ave.; comp. built-up roof, stone trim; private plans.

Tex., San Antonio—Isaac Bledsoe, 900 W. Woodlawn St., let contract to L. T. Wright & Co., 910-12 Builders Exchange Bldg., for one-story, 81x82 ft., brick, stone tile, conc., cast stone store, S. Alamo and Turner Sts.;

Emmett T. Jackson, Archt., Builders Exchange Bldg.

Tex., San Antonio—J. J. Albers, care Flory & Albers, 227 S. Medina St., let contract at \$28,700 to Vincent Falbo, 515 N. San Saba St., for one and two-story, brick and conc., fireproof, 15-store, Dolorosa St.; Leo. M. J. Dielmann, Archt., 306 E. Commerce St.

Tex., Sonora—E. F. Vander Stucken Co. erect \$15,000, brick and tile store; J. T. McClelland, Contr.

Theaters

N. C., Smithfield—W. Ransom Sanders, 700 W. Morgan St., Raleigh, Wm. Sanders, Smithfield, erecting 2-story brick building Deitrick, Archt., 1526 Carr St., Raleigh; Rogers & Lowrimore, Contrs.

Okla., Hobart—Mahone & James let contract for \$75,000, 50x100 ft. theater.

Okla., Miami—Geo. L. Coleman, care Commerce Mining & Royalty Co., let contract at \$191,881 to Rucks-Brandt Co., 1012 Mid-Continent Bldg., Tulsa, for 3-story, 120x150-ft., brick, steel, terra cotta and stucco theater and store; plumbing and heating, Thos. L. Dawson Plumbing & Heating Co., 2035 Washington St., Kansas City, Mo.; electric, W. J. Nelson Electric Co., Fort Scott, Kan.; Boiler Bros., Archts.; L. O. McDonald, Engr., both 114 W. 10th St., Kansas City.

Warehouses

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., has contract for 175 tons struct. steel for \$250,000 warehouse for Independent Plumbing and Supply Co.; McCormack-Combs Construction Co., Gen. Contr., Columbia Bldg.; David R. Harrison, Archt., Arcade Bldg. 5-17

N. C., Charlotte—Great Atlantic and Pacific Tea Co., 420 Lexington Ave., New York, let contract to J. A. Jones Construction Co., Coml. Bank Bldg., for \$75,000 warehouse on W. Hill St.

Tenn., Knoxville—House-Hasson Hardware Co., 759 Western Ave., erect \$40,000, 3-story, 170x43 ft., brick and steel warehouse, 759 Western Ave.; A. H. Whisman, Contr., 422 Front St.; R. F. Graf & Son, Archts., Journal Bldg.

THE CLASSIFICATIONS IN THIS SECTION ARE:

WANT
SECTION

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials
and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Machinery and Supplies

Boiler.—W. C. Lawellin, Commr. Revenue and Accounting, Stillwater, Okla. — Wants prices soon on boiler for power plant, 300 or 500 h. p.

Cotton Harvester.—Marble City Casket Factory, R. C. Teel, Pres., 427 Norton Ave., Sylacauga, Ala.—Has patent on cotton harvesting machine and wants to contract with manufacturers of cotton harvesting machines and firms in a position to produce such machines.

Crane.—Theodore G. Emple, Wilmington, N. C.—Wants 6 ton crane, suitable for mounting on flat car, with 30 ft. boom, to operate ½ cu. yd. bucket, to be used for loading sand from sand pit.

Pulley or Fly Wheel.—R. P. Johnson (Mechy. Dealer), Wytheville, Va. — Wants prices on second-hand 44-in. diameter, 20-in. face, 23/16 to 37/16 in. bore heavy cast iron pulley or fly wheel.

Water Meters.—City Comm., Fred Sawyer, Clk., Apalachicola, Fla. — Wants 150 water meters ½x½ in.; wants prices with terms that would allow City 6 months to a year to pay.

Swinging Saw.—Camp Mfg. Co., Franklin, Va.—Wants swinging saw, with 48 in. saw or larger.

Art Chemical Works, Inc., 7301 Central Ave., Tampa, Fla., wants prices on following:

- (1) Mixer (Dry Powder)—200 lb.
- (2) Mixer (Liquid)—100 gal.
- (3) Grinder—dry chemical.

Town of Ripley, Okla., Austin Groom, Clk., wants the following, state price f. o. b. Ripley:

- (1) Pipe (Cast Iron)—6-in., 4-in. and 2-in. Class B
- (2) Pipe (Galvanized)—2-in.
- (3) Sewer Tile—12-in. and 10-in. sewer tile
- (4) Tank and Tower — 50,000 gal. elevated tank and 85 ft. tower.

Best Crate and Hamper Co., Inc., F. E. Smith, Eighth and H Sts., Lake Worth, Fla., wants prices on following:

- (1) Hamper and Crate Machinery—for making hampers and vegetable crates
- (2) Mortise and Tenon Machinery
- (3) Shingle and Stave Machinery
- (4) Slat Cutter Equipment.

Mathews Lumber Co., Wm. E. Mathews, Kuttawa, Ky., wants following:

- (1) Band Saw—small
- (2) Crude Oil Engine—30 to 40 h. p.
- (3) Saw Edger—2 or 3
- (4) Trimmer—small size.

Miscellaneous

Glass Food Containers.—Marcus D. May, Hinesville, Ga.—Wants prices on glass food containers (honey).

Costumer Hooks.—Crescent Bed Co., Inc., P. Jung, Jr., Sec., New Orleans, La.—Wants about 20 gross of costumer hooks made from rough steel, plain finish.

Enameled Iron Tile.—Greenville Hotel Corp., W. H. P. Reid, Sec., Greenville, Miss.—Wants enameled iron tile for use as wall cover; prices desired on 6500 sq. ft.

Building Material and Equipment

Giesecke & Harris, Archts., 207 W. 7th St., Austin, Tex., wants prices on following for \$40,000 gymnasium:

- Cast Stone
- Floors—hardwood, terrazzo, tile
- Roofing—built-up
- Steel Sash and Trim
- Tile—hollow
- Wire Glass.

Ivey & Crook, Archts., 1310 Candler Bldg., Atlanta, Ga., wants prices on following for \$190,000 school:

- Floors—hardwood, terrazzo, tile
- Limestone
- Marble
- Roofing—built-up, slate
- Tile—hollow, interior
- Ventilators.

Best Crate and Hamper Co., Inc., F. E. Smith, Eighth and H Sts., Lake Worth, Fla., wants prices on following:

- Sap Gum Wood
- Soft Short Leaf Pine in Blocks
- White Fir in Blocks
- White Pine in Blocks.

Humes-Deal Co., Contr., Arcade Bldg., St. Louis, Mo., wants prices on following for \$400,000 nurses' home, Kansas City, Mo.:

- Cast Stone
- Elevators
- Flooring—hardwood, terrazzo, tile
- Marble
- Metal Doors
- Roofing—tile
- Steel Sash and Trim
- Tile—gypsum, hollow
- Terra Cotta Trim.

Varney Bros., Contr., Box 331 Bradenton, Fla., wants prices on following, all quotations f. o. b. Bradenton, state best delivery date:

Elevator—hand power
Fire Escape Door— $\frac{1}{2}$ glass (4 ft.) with jambs, plain paint
Gates—13 ft. 10 in. travel, roller or ball bearing, no sliding
Kalamela Fire Doors—3x7 ft., 2 one panel communicating
Sprinkler System
Tinclad Doors—2 for elevator, openings 5x7, swing left hand.

S. H. Gentry, Contr., Paducah, Tex., wants prices on following for \$25,000 building:

Cast Stone
Flooring—pine, battleship linoleum
Gypsum Plaster
Metal Ceilings
Plaster Board
Roofing—felt asphalt, tile.

Tisdale, Stone & Pinson, Archt., 1103 Goodhue Bldg., Beaumont, Tex., wants prices on following for \$500,000 hotel, Port Arthur, Tex.:

Dumb Waiters
Electric Refrigerators
Elevators
Floors—terrazzo
Marble
Metal Doors
Roofing—built-up, tile
Steel Sash and Trim
Terra Cotta Trim
Ventilators.

Struck Construction Co., Inc., M. P. Nicol, V.-Pres., Louisville, Ky., is revising and reclassifying list of sub-contractors and material firms, from whom they seek sub-bids and material prices when estimating work or when buying and sub-contracting after a contract is secured and want to secure at least all of the outstanding concerns in each important building trade who estimate work over a reasonably large territory, and therefore invite concerns as above to list themselves with the Struck Construction Co. promptly.

D. J. Phipps, Contr., Boxley Bldg., Roanoke, Va., wants prices on following for \$200,000 church and Sunday school:

Flooring—hardwood, terrazzo, composition
Limestone
Metal Doors
Roofing—built-up, slate
Steel Sash and Trim
Tile—gypsum, hollow, interior.

Richard Vander Straten, Archt., 603 Travis Bldg., San Antonio, Tex., wants prices on following for field stone lodge, 9 miles from San Marcos, Tex.:

Flooring—hardwood
Roofing—asphalt shingle
Tile—hollow.

City Housing Corp., Richmond, Va., taking sub-bids and interested in following for four 4-apartments:

Brick (face)
Heating Apparatus
Roofing
Floor coverings.

John V. Rose, Sec., Farmers Co-operative Gin, Cooperton, Okla., erecting cotton gin, wants prices as follows:

Cement
Sheet Iron—28 gauge
Lumber—No. 1 dimension
Nails—lead head.

Bids Asked

Air Compressor.—U. S. Engr. Office, 4th Mississippi Dist., New Orleans, La. — Bids June 6 for electrically driven air compressor complete.

Airplane Hangar.—City Commrs., Orlando, Fla.—Bids June 13 for construction of airplane hangar.

Automobile License Tags.—Automobile Tag Comm., J. C. Roberts, Chmn., Cleveland, Miss.—Bids June 5 for 280,000 regular tags, 10,000 dealer tags, 8000 trailer tags, 4400 substitute tags, 530 motorcycle tags; all to conform to present Mississippi State Law, 15 in. wide, 6 in. high, 24 gauge metal, color to be yellow background with black figures; date of delivery not later than Oct. 1, 1928.

Band Saw.—U. S. Engr. Office, 4th Mississippi Dist., New Orleans, La.—Bids June 6 for adjustable bevel band saw complete with motor and starter.

Bituminous Topping.—Ellis County Commrs., G. A. Neal, Auditor, Waxahachie, Tex.—Bids June 6 for bituminous topping for 80 mi. gravel macad. roads, Dist. 1.

Bridges.—State Highway Dept., Dover, Del.—Bids June 19 for 2 bridges, Cont. 91—reconstruct Bascule span, erect temporary span, for Lewes Bridge, 25,000 lb. reinforcement, 9000 lb. struct. steel; Cont. 100—timber bridge, Ocean View, 35,882 lb. struct. steel.

Bridge.—State of Kentucky. See Construction News—Roads, Streets, Paving.

Bridge.—Merigold, Miss. See Construction News—Bridges, Culverts, Viaducts.

Bulkheading, etc.—Treas. Dept., Jas. A. Wetmore, Acting Supv. Archt., Washington, D. C.—Bids June 20 for rehabilitation of river bulkhead, back filling, repairs of isolation ward, fencing and incidental work, at U. S. Quarantine Station, Marcus Hook, Pa.

Chains.—P. O. Dept., Washington, D. C.—Bids June 4 for tire chains.

Culvert Pipe.—Palm Beach County Commrs., Fred E. Fenno, Clk., West Palm Beach, Fla.—Bids June 6, following f. o. b. West Palm Beach: Galvanized corrugated culvert pipe, 280 lin. ft., 2-in. diam. No. 16 gauge; 492 lin. ft. 18-in. diam. No. 14 gauge; 460 lin. ft. 24-in. diam. No. 14 gauge; 180 lin. ft. 30-in. diam. No. 12 gauge.

Diesel Electric Propelled Survey Ship.—U. S. Coast and Geodetic Survey, 205 New Jersey Ave., S. E., Washington, D. C.—Bids June 22 for construction of steel, Diesel electric propelled survey ship of about 770 tons displacement; separate bids also will be received for furnishing main propelling machinery, auxiliary machinery, pumps and windlass, capstan and boat hoist.

Drainage, etc.—Office of U. S. Property and Disbursing Officer for Texas, Camp Mabry, Austin, Tex.—Bids June 5 for constructing 8 watering troughs and drainage system at Camp Wolters, Mineral Wells, Tex.

Dredging.—U. S. Engr. Office, Wilmington, Del.—Bids June 23 for dredging inland waterway from Delaware River to Chesapeake Bay, Delaware and Maryland (Chesapeake and Delaware Canal).

Dredging.—U. S. Engr. Office, Jacksonville, Fla.—Bids June 25 for dredging about 8000 cu. yds. of rock from Key West harbor, Fla.

Dredging.—U. S. Engr. Office, Mobile, Ala.—Bids June 15 for maintenance dredging in Mobile River and bay channels.

Dredging.—U. S. Engr. Office, Wilmington, Del.—Bids June 25 for dredging in Island Waterway from Delaware River to Chesapeake Bay, Delaware and Maryland.

Dredging.—U. S. Engr. Office, Mobile, Ala.—Bids June 15 for maintenance dredging in Mobile River and Bay Channels, Ala.

Electric Ranges.—Quartermaster Supply Officer, Washington, D. C.—Bids June 6 for electric ranges.

Fender System.—U. S. Engr., Norfolk, Va.—Bids June 4 for furnishing labor and materials and performing all work for constructing fender system at New Holland, Higginsport and Mt. Vernon R. R. bridge across Inland Waterway, about 12 mi. east of Belhaven, N. C.

Gasoline.—Holabird Quartermaster Depot, Baltimore, Md.—Bids June 6 for 60,000 gal. motor gasoline.

Gasoline and Oils.—Q. M. Supply Officer, U. S. Army, Washington, D. C.—Bids June 5 for 100,000 gal. high test and 150,000 gal. gasoline, 500 lbs. cup grease, 400 cans Mobile oil A, and 3685 gal. Veedol oil.

Grading.—Bd. of Awards, Baltimore, Md.—Bids June 6 for rough grading, etc., grounds surrounding Baltimore Museum of Art, Charles St. opposite Thirty-first St.

Highway Signs.—State Bd. of Control, Austin, Tex. Bids June 20 for caution, warning and designation signs for State highways.

Metal Culverts.—Hutchinson County Commrs., Court, A. S. Johnson, Auditor, Stinnett, Tex.—Bids June 11 for carload of metal culverts, delivered f. o. b. Borger.

Miscellaneous Supplies.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids June 5 for delivering radio transmitting equipments, roving cotton, anchor shackles, ventilating sets, compensators, telephone parts, helium gas compressors, aircraft metal propeller blades, etc.

Paper.—Dept. of Agriculture, Washington, D. C.—Bids June 8 for 160,000 lbs. impression paper.

Paving, etc.—Mobile, Ala. See Construction News—Roads, Streets, Paving.

Paving, etc.—Augusta, Ga. See Construction News—Roads, Streets, Paving.

Paving.—Jacksonville, Fla. See Construction News—Roads, Streets, Paving.

Paving.—Jefferson City, Mo. See Construction News—Roads, Streets, Paving.

Pipe (Cast Iron).—Town of Vass, N. C.—Bids June 12 for 18,000 ft. of 8-in., 6-in. and 2-in. c. i. pipe; The Carolina Engineering Co., Engrs., 919 Johnston Bldg., Charlotte.

Pipe (Concrete).—See Sewers.

Pipe (Vitrified).—See Sewers.

Projectiles, etc.—Bureau of Ordnance, M. D. Leahy, Ch., Navy Dept., Washington, D. C.—Bids June 12 for furnishing 3000 14-

in. target, 1000 8-in. target, 10,200 5-in. illuminating, 22,300 5-in. anti-aircraft, 1500 5-in. common and 12,000 3-in. illuminating projectiles.

Refrigerating Unit.—Dist. Engr., River Front and Burdette Sts., New Orleans, La.—Bids June 7 for refrigerating and ice making unit for Steamer John Newton.

Road.—State Highway Dept., Dover, Del.—Bids June 19, Cont. 110—2.1 mi. Milford Cross Roads-Thompson Station; 10,500 cu. yd. excavation, 2900 cu. yd. cement conc. pavement, 3000 lb. reinforcement, 1600 lin. ft. wood shoulder curb.

Roads.—Kosciusko, Miss.—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

Road.—Sutton, W. Va. See Construction News—Roads, Streets, Paving.

Roads.—West Palm Beach, Fla.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Kermit, Tex. See Construction News—Roads, Streets, Paving.

Roads.—State of Kentucky. Bids for 34 roads. See Construction News—Roads, Streets, Paving.

Roads.—Baltimore, Md.—Bids for 11 roads. See Construction News—Roads, Streets, Paving.

Road.—Paducah, Ky. See Construction News—Roads, Streets, Paving.

Roads.—State of Maryland—Bids for 5 roads. See Construction News—Roads, Streets, Paving.

Road.—Weston, W. Va. See Construction News—Roads, Streets, Paving.

Road Machinery.—State Highway Dept., Austin, Tex.—Bids June 21 for road machinery:

- (1) Tractors—60 h. p. crawler type
- (2) Ditch Graders—30 12-ft. engine
- (3) Rollers—25 5-ton three-wheel
- (4) Heating Kettles—38 asphalt, on trailers
- (5) Street Sweepers—28 rotary steel, broom type
- (6) Air Compressors—5 portable, complete, with one ton trucks
- (7) Crushing and Sizing Plants—2 portable, each with approximate daily capacity, 75 tons
- (8) Trucks—50 $\frac{1}{2}$ to 2-ton, with $1\frac{1}{2}$ cu. yd. automatic dump bodies
- (9) Trucks—100 $\frac{1}{2}$ to $\frac{3}{4}$ -ton light delivery, with pick up bodies.

Rubber Balloons.—Dept. of Agriculture, Washington, D. C.—Bids June 12 for 44,550 six-in. rubber balloons.

School Supplies and Equipment.—Bd. of Awards, Baltimore, Md.—Bids June 6 for furnishing supplies and equipment for mechanical, drawing classes; for furnishing machinery, equipment, tools and supplies for general shops, and printing shops; athletic supplies, health suite supplies.

Sewers.—Jefferson City, Mo., F. E. Ross, City Engr.—Bids June 4 for sewers in Dist. No. 37; work includes 569 ft. of 6-in. sewer pipe, ditching and backfilling, manholes, etc.

Sewers.—Bd. of Awards, Baltimore, Md.—Bids June 6 for sanitary sewers and storm drains in miscellaneous sewer districts, Storm Water Contract, No. 116; work includes brick and conc. drain; rein. conc. drain; vit. pipe drain and sewer; under-drain and manholes; Milton J. Ruark, Sewerage Engr.

Sewers.—Bd. of Commrs., Huntington, W. Va.—Bids June 4 for Third St., Seventh St. and Second St. sewer, east from Ninth Ave. to Four Pole Creek and Tenth Ave. from Second to Third St.

Shirting.—Depot Quartermaster, U. S. Marine Corps, Philadelphia, Pa.—Bids June 18 for 300,000 yds. cotton khaki shirting.

Street.—Jackson, Tenn. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—Huntington, W. Va. See Construction News—Roads, Streets, Paving.

Street.—Corpus Christi, Tex. See Construction News—Roads, Streets, Paving.

Street.—Thomasville, N. C. See Construction News—Roads, Streets, Paving.

Tank and Tower.—See Water Works.

Tires and Tubes, etc.—Pur. and Contr. Officer, Holabird W. M. Dept., Baltimore, Md.—Bids June 4 for large quantity of tires, tubes, rims, flappings, tube repair kits, valve stems.

Water Wells.—City of Melbourne, Fla., W. K. Seitz, City Mgr.—Bids June 5 for 1 or 2 shallow wells for water service.

Wharf, etc.—Bd. of Commrs., Port of New Orleans, New Orleans Court Bldg., New Orleans, La.—Bids June 5 for reconstructing St. Andrew St. wharf, including moving,

raising and altering shed; construct 2 conc. firewalls and joining Celeste St. shed to adjacent firewall; pave top of levee with conc.

Winch System.—U. S. Engr. Office, 4th Mississippi Dist., New Orleans, La.—Bids June 4 for 2 electrically driven winches with special controls for remote operations and for one 8-drum gasoline driven winch system complete.

Wire, etc.—Mississippi River Comsn., 1st and 2d Dists., Memphis, Tenn.—Bids June 11 for 100,000 lbs. gal. wire, 1,200,000 lbs. wire strand, 10,000 lbs. wire staples and 30,000 wire rope clips.

Trade Literature

Road Machinery.—A 32-page condensed catalog of Gallon road machinery is being distributed to contractors and road officials by the Gallon Iron Works and Manufacturing Company, Gallon, Ohio. The catalog illustrates and describes the complete Gallon line of large and small rollers, motor graders and drawn graders, of both leaning wheel and straight wheel types, as well as road drags, stone spreaders, belt conveyors and other equipment. A copy will be sent on request to the company.

Light Rails.—Light rails and fastenings and steel crossties for mines, quarries, plantations and portable track are described by words, diagrams and specifications in a booklet issued by the Carnegie Steel Company, Pittsburgh, Pa. The rail sections are designed on lines recommended as standard by the American Society of Civil Engineers and the rails are kept in stock in considerable quantities.

Pavement.—Margerum asphaltic limestone as a surface for pavement is described in an interesting pamphlet issued by Alabama Rock Asphalt, Inc., Birmingham, Ala. This material, it is said, is crushed and ground to such fineness that it will pass a $\frac{3}{8}$ -inch screen. The dust filler is used to stiffen up and give stability to asphalt mixtures. Margerum asphaltic limestone is said to be impervious to moisture.

Building Tile.—An interesting catalog outlining the distinctive features of XOX tile has been issued by the Universal Tile Corporation of America, Milledgeville, Ga., sole owners and licensors of this tile. Illustrations and reading material show sections of walls, receptacles for electric conduit, steam, plumbing and other pipes and buildings of tile construction. Numerous specification figures also are detailed.

New Smith Mixer Catalog.—The T. L. Smith Company, Milwaukee, have issued a new 72-page catalog covering their full line. It shows Smith mixers in service on some outstanding construction projects, such as the Cascade tunnel, Jordan dam, Goodrich tire plant, Exchequer dam, Chicago sewage disposal plant and the Memorial bridge at Gadsden, Ala.

Tractors.—Cletrac models 20, 30 and 100 are described in attractive circulars issued by the Cleveland Tractor Company, Cleveland, Ohio, together with a folder covering the 20, 30, 40 and 100 models. Modern design and sturdy construction, easy lubrication and easy steering are among the many features detailed and emphasized.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Westinghouse Sums Up Year.

The report of the Westinghouse Electric & Manufacturing Company for the year ending March 31, 1928, shows sales, in round numbers, of \$175,000,000; net manufacturing profit, \$14,000,000; net income available for dividends, \$15,600,000. The balance sheet shows current assets of \$122,000,000, which is more than eight times the current liabilities. Approximately \$40,000,000 has been spent in six years for new plants and extensions. The company also sponsors an employee savings fund, employee insurance and the building of houses for employees. The average number of employees in the year was 41,787 and the payrolls exceeded \$70,000,000.

Chromium Plating Fume Remover.

An interesting type of exhaust system for removing the injurious fumes from plating tanks is now being manufactured and installed by the Cleveland Blow Pipe and Manufacturing Company, Cleveland, Ohio. A sheet-metal duct surrounds the top of the tank and around the side facing the liquid a narrow slot is cut. A certain volume of air is drawn through this slot and the "suction blanket" thus formed over the tank prevents any of the fumes from entering the room. The operator is therefore completely protected. The amount of power required to run the exhaust fan is stated to be very small.

Lighting Equipment Exhibit Planned.

The Artistic Lighting Equipment Association, New York city, has completed plans for probably the largest and most elaborate display of lighting equipment ever undertaken by the industry, embracing fixtures, wall brackets, floor, bridge and table lamps, metal furniture, industrial and commercial lighting units, illuminating glassware, shades, accessories, parts and supplies of all kinds. These displays and demonstrations will be a part of the national exhibition to be held at the Sherman Hotel, Chicago, June 11 to 16, inclusive.

Bethlehem Steel Appointments.

The following changes have been made in the operating personnel of the Bethlehem Steel Company: S. J. Cort, superintendent of the Saucon plant, has become assistant general manager of the Maryland plant; E. F. Entwistle, assistant general manager of the Steelton plant, has become superintendent of Saucon plant, and R. B. Gerhardt, assistant general manager of the Maryland plant, has become assistant general manager of the Steelton plant.

Building 17-Mile Sewer.

Continued activity is reported by the Hornbuckle Contracting Company, Inc., municipal improvements, Atlanta, Ga., organized by S. C. Hornbuckle, with A. P. Blackford as vice-president and secretary. While the company proposes to specialize in sewer and water mains and accessories, it also expects to do some paving on municipal and private developments. At present it has under contract a sanitary sewer job in Chattanooga approximating 17 miles. It also has work in Atlanta.

Republic Iron and Steel Appointments.

Appointments have been made in the following district sales offices of the Republic Iron & Steel Company, Youngstown, Ohio: New York, W. H. Oliver, district sales manager, and A. R. Johnson, assistant; Philadelphia, C. S. McKinley, district sales manager, and J. B. DeWolf, assistant; Pittsburgh, F. M. Welsh, district sales manager; Detroit, W. J. Hanna, district sales manager, and C. S. Powers, assistant; Chicago, H. W. Craig, district sales manager, and L. J. Simmonds, assistant; Cleveland, W. E. Collier, district sales manager. The Rochester office of the Trumbull Steel Company has been closed and R. V. Jones has been transferred to the Buffalo sales office, which is under Allan Hills.

Kennedy Valve Officials.

The Kennedy Valve Manufacturing Company of Elmira, N. Y., announces the election of Matthew E. Kennedy as president and manager; J. Carroll Kennedy as vice-president and secretary and Clarence H. Kennedy as vice-president and general sales manager. These officials are all sons of the late Daniel Kennedy, who founded the business over 50 years ago and was president until his death last January. The Kennedy line includes steel, iron-body and bronze valves, fire hydrants, water gates, cast-iron flanged fittings and malleable iron and bronze screwed fittings.

New Linde District Office.

The Linde Air Products Company, New York city, has opened a new district sales office at 48 West McLemore avenue, Memphis, Tenn. Users of Linde oxygen, Oxweld welding and cutting equipment and supplies, Prest-O-Lite acetylene and Union Carbide in the district, which consists of western Tennessee, northern Mississippi and eastern Arkansas, will find this office prepared to handle their needs. H. N. Smith is in charge.

M. B. Rider in New Position.

The T. L. Smith Company of Milwaukee announces the appointment of M. B. Rider as factory representative for the eastern district. Mr. Rider was formerly eastern representative for the company. His activities will be principally in direction of co-operation with distributors of Smith concrete mixers and pavers in the eastern district.

Join Alexander Milburn Company.

E. D. Hallock has become identified with the Alexander Milburn Company of Baltimore, Md., as advertising manager, after extensive experience in general advertising and in publicity work; also B. R. Sausen has joined the Milburn Company to take charge of their paint spray equipment department, which has become a large item in their business.

Locomotive Sales Manager.

Announcement is made that H. R. Sykes has become manager of sales of the locomotive division of the Cincinnati Car Company, builders of "Cincinnati" types of Diesel, gasoline, electric and gas-electric locomotives for industrial haulage.

FINANCIAL NEWS

Bond Issues Proposed

Ark., Richmond—Buildings—City voted \$20,000 bonds.

Ark., Stuttgart—Fire Equipment—City voted \$12,000 bonds.

Fla., Apalachicola—Paving—City, Fred Sawyer, Clk., receives bids June 12 for \$100,000 6% \$1000 denom. coupon bonds.

Fla., Bartow—Capital Fund—Bd. of Bond Trustees, R. C. Bowers, Clk., receives bids June 7 for \$70,000 5½% bonds.

Fla., Miami—Bridge—City receives bids June 11 for \$650,000 bonds: \$350,000, for S. W. First St.; \$300,000, N. W. Seventeenth Ave.

Fla., Tavares—Lake County Bd. of Public Instruction, D. H. Moore, Supt., receives bids June 18 for \$10,000 6% \$500 denom. Special Tax School Dist. 6 bonds.

Fla., Trenton—Bd. of Public Instruction receives bids June 6 for \$45,000 Bell School Dist. bonds.

Fla., West Palm Beach—City Comm., authorized issuance of \$375,000 6% refunding bonds, to be sold to R. M. Grant & Co., Inc., New York, at 95% plus accrued interest.

Ga., Myrtle—School—City voted \$20,000 bonds.

Ga., Nicholls—School—City plans \$15,000 bond election.

Ga., White—School Trustees, J. M. Hamrick, Chmn., will call election for June 12 on \$15,000 bonds.

Ky., Berea—Berea School Dist. voted \$20,000 bonds. 4-19

Ky., Mayesville—School—City voted \$119,000 bonds. 4-10

Ky., Mayesville—Courthouse—Mason County Fiscal Court may call bond election.

La., Baton Rouge—Sewer—City, W. H. Bynum, Mayor, receives bids June 19 for \$180,000 4½% bonds. 4-19

La., Ferriday—Levee—Levee Bd., Maj. O. H. Corbets, Owner, contemplates \$50,000 bond issue.

La., Jonesboro—Electric, Water—City, H. M. Shuler, Mayor, receives bids June 11 for \$20,000 bonds.

La., Pointe a la Hache—Plaquemine Parish Bd. of School Directors, A. L. Pourciau, Sec., receives bids June 16 for \$25,000 6% School Dist. 4 bonds.

Md., Frederick—School—Frederick County Commrs., R. Bruce Murdoch, Clk., receives bids June 2 for \$130,000 4½% bonds.

Miss., Belzoni—Refunding—Humphreys County Bd. of Suprvs., authorized \$760,000 bond issue, for road, drainage and school districts in flooded sections of Humphreys County.

Miss., Big Creek—Big Creek Consolidated School Dist. votes June 1 on \$14,700 bonds.

Miss., Corinth—Road—Alcorn County votes in July or Aug. on \$500,000 bonds.

Miss., Gulfport—Orange Grove School Dist. defeated \$40,000 bond issue; Wool Market School Dist. defeated \$35,000 bond issue. 4-12

Miss., Hattiesburg—Highways—Forrest County considering \$1,500,000 bond election; Dr. E. B. Green, Pres., Bd. of Suprvs. 5-17

Miss., Hazelhurst—Copiah County plans voting \$75,000 bonds to build and equip Copiah-Lincoln Agricultural School, Wesson.

Miss., Laurel—Road—Jones County, Beats 1, 2 and 5, vote June 14 on \$750,000 bonds. 5-24

Miss., Ripley—Tippah County Bd. of Suprvs. receives bids June 1 for \$6000 6% \$150 and \$400 denom. Dumas School Dist. bonds.

Mo., Troy—City votes June 5 on \$80,000 bonds: \$45,000, sanitary sewer system; \$35,000, school.

N. C., Gatesville—Light, Power—Town, C. M. Earley, Clk., receives bids June 4 for \$24,000 6% \$1000 denom. bonds.

N. C., Plymouth—Washington County Commrs., Addie L. Brinkley, Clk., receives bids June 4 for \$40,000 4¼% school funding bonds.

N. C., Shelby—Electric Plant—City considering \$35,000 bond issue.

N. C., Statesville—School—City voted \$350,000 bonds. 5-3

N. C., Winston-Salem—School—W. H. Holcomb, Commr. of Public Accounts and Finance plans receiving bids soon for \$2,500,000 bonds. 3-15

Okla., Enid—City, D. D. Stull, Mayor, voted \$502,000 bonds: \$197,000, additional storm sewers; \$179,000, water mains; \$73,000, sanitary sewers, garbage disposal plant; \$53,000, fire stations. 4-26

Okla., Frederick—Road—Tillman County Commrs. will call election for June 26 on \$875,000 bonds.

S. C., Charleston—School Dist. 3, James Island, voted \$100,000 bonds; Aubrey L. Welch, Trustee of Dist.; plans selling bonds.

S. C., Columbia—Auditorium—City voted \$300,000 bonds; Jas. C. Cathcart, Chmn., City Comm. 3-1

S. C., Gaffney—Courthouse—Cherokee County, E. L. Gassett, Clk., Bd. of Suprvs., votes Nov. 6 on \$125,000 bonds.

S. C., Orangeburg—Orangeburg School Dist. votes in Oct. on \$300,000 bonds; W. A. Livingston, Sec., Bd. of School Trustees.

S. C., Spartanburg—Spartanburg County received high bid, jointly, from Trust Co. of Georgia, Atlanta, Lehman Brothers, Kountze Brothers, both New York, and First Natl. Bank, Spartanburg, \$503,450, for \$500,000 4½% bonds: \$400,000, highway; \$100,000, hospital; from Braun, Bosworth Co., Toledo, Ohio, \$61,789, for \$61,000 5% Saxon School Dist. bonds. 5-17

Tenn., Jackson—Road—Madison County Court authorized sale \$100,000 4¼% bonds.

Tex., Asherton—City, E. F. Schumann, Mayor, votes June 16 on \$70,000 bonds: \$25,000, sewer; \$45,000, street.

Tex., Austin—School—City, P. W. McFadden, Mayor, voted \$300,000 bonds; plans issuing \$150,000 of \$300,000 bonds, July 1. 3-29

Tex., Austin—City voted \$4,250,000 bonds: \$123,500, resurface paved streets; \$1,876,500, streets, bridges, storm sewers; \$700,000, parks, playgrounds; \$550,000, sanitary sewers; \$250,000, fire department; \$300,000, schools and grounds; \$75,000, abattoir; \$50,000, hospital; \$75,000, airport; \$150,000, library; \$100,000, city market. 5-17

Tex., Batesville—Courthouse—Zavalla County, N. H. Hunt, Judge, votes June 23 on \$75,000 bonds.

Tex., Beaumont—Tuberculosis Hospital—Jefferson County voted \$75,000 bonds. 4-12

Tex., Edinburg—Road—Hidalgo County, Road Dist. 4, votes June 12 on \$500,000 bonds; A. W. Cameron, Judge.

Tex., Edinburg—Road—Hidalgo County, Cam E. Hill, Clk., Road Dist. 3, Alamo Dist. votes June 12 on \$750,000 bonds.

Tex., Flynn—Flynn Independent School Dist. votes June 2 on \$20,000 bonds.

Tex., Frankston—School—City voted \$25,000 bonds.

Tex., Gunter—School—City voted \$15,000 bonds.

Tex., Lancaster—Paving—City council plans \$11,000 6% bond issue.

Tex., Lovelady—Water—City votes soon on bonds.

Tex., Marble Falls—Water—City defeated \$50,000 bond issue. 4-26

Tex., Orangefield—Orangefield Independent School Dist. votes June 16 on \$50,000 bonds. 5-24

Tex., Pelly—City Hall—City, H. S. Leggett, Mayor, votes June 23 on \$30,000 bonds.

Tex., Ranger—Paving Indebtedness—City Comm. issued \$20,000 warrants.

Tex., Raymondville—Road—Willacy County, Road Improvement Dist. 2, votes June 16 on \$500,000 bonds; A. B. Crane, County Judge. 5-10

Tex., Roscoe—Refunding—City votes soon on \$78,000 6% bonds.

Tex., San Antonio—City voted \$4,755,000 bonds: \$1,250,000, sewerage disposal plant; \$600,000, street widening and straightening; \$750,000, paving and grading; \$500,000, public library; \$500,000, river improvement, storm sewers; \$150,000, bridges; \$300,000, additional fire and police station; \$400,000, park improvement; \$250,000, purchase exposition property; \$55,000, purchase Spanish Governor's palace. 4-26

Tex., Tyler—Hospital—Smith County may call \$250,000 bond election in fall.

Va., Princess Anne—Road—Princess Anne County, B. D. White, Judge, may call \$300,000 to \$400,000 bond election.

Va., Rustburg—Road—Campbell County, Otter River Dist., defeated \$90,000 bond issue. 3-1

W. Va., Fairmont—State Sinking Fund Comm., Charleston, received high bid from Seasongood & Mayer, Cincinnati, Ohio, \$5766 premium for \$519,000 Fairmont Independent School Dist. bonds.

W. Va., Wellsburg—State Sinking Fund

Comm., Charleston, received high bid from Seasongood & Mayer, Cincinnati, Ohio, premium \$6900, for \$222,000 Wellsburg Independent School Dist. bonds.

Bond Issues Sold

Ark., Little Rock—Paving—Union Trust Co., Little Rock, purchased \$30,000 5½% bonds, 102.15.

Ark., Paragould—Dredging—Illinois Bankers Life Insurance Co., Monmouth, Ill., purchased \$50,000 6% Big Slough Dist. bonds.

Fla., Orlando—Refunding—City, J. A. Stinson, Clk., sold \$339,000 5% bonds to Wright, Warlow & Co., Orlando, \$341,740. 5-17

Fla., Tallahassee—Reclamation—State, John C. Luning, Treas., John W. Martin, Governor, sold \$10,000,000 bonds to Dillon, Read & Co., and Eldredge & Co., both New York.

Ga., Adel—E. A. Gessler & Son, St. Louis, Mo., purchased Spring Hill, Brushy Creek and Midway Consolidated School Dist., Cook County 5½% bonds, at \$200 premium.

Ga., Blundale—City sold \$20,000 5½% Blundale School Dist. bonds to H. C. Speer & Sons Co., Chicago, Ill., \$400 premium.

Ga., Cairo—Robinson-Humphrey Co., Atlanta, purchased \$40,000 5½% \$1000 denom. Cairo Consolidated School Dist. coupon bonds, \$2160 premium. 4-26

Ga., Tifton—H. C. Speer & Sons, Chicago, Ill., purchased \$25,000 6% Ty Ty Consolidated School Dist. bonds, \$2200 premium. 4-5

Ky., Hartford—Ohio County Court sold \$100,000 county bonds to J. C. Mayer & Co., Cincinnati, Ohio.

Ky., London—School—W. R. Feltner, City Clk., sold \$25,000 5% bonds to Otis & Co., Cleveland, Ohio, \$882 premium. 5-3

La., Covington—St. Tammany Parish School Bd., Elmer E. Lyon, Sec., sold \$150,000 4½% Lyon High School bonds, to Cleaver, Vass & Co., New Orleans, par, accrued interest, \$76 premium. 5-10

La., Natchitoches—School—Natchitoches Parish Police Jury sold \$30,000 5% School Dist. 4 bonds jointly to Interstate Trust & Banking Co. and Cleaver, Vass & Co., both New Orleans.

Md., Annapolis—Water—Anne Arundel County Commrs., R. Harry Arnold, sold \$50,000 4½% \$1000 denom. bonds to Baltimore Trust Co., Baltimore. 5-3

Miss., Bay Springs—Stafford County sold \$75,000 Stafford Springs Cons. School Dist. bonds to Citizens State Bank, Heidelberg.

Mo., Clayton—Hospital—St. Louis County, P. G. Dueser, Treas., sold \$500,000 4¼% bonds to Whitaker & Co., St. Louis, \$556,400. 5-3

N. C., Elizabethtown—Road, Bridge—Bladen County Commrs. sold \$80,000 5% funding bonds to Spitzer, Rorick & Co., Toledo, Ohio, \$1951 premium.

N. C., Gatesville—School Funding—Gates County sold \$40,000 4¼% bonds to A. E. Wharton, Norfolk, Va., \$1750 premium.

N. C., Marshall—Road—Madison County Commrs., J. Will Roberts, Clk., sold \$15,000 5¼% Township 13 bonds to Ryan, Sutherland & Co., Toledo, Ohio, \$359 premium. 4-19

Tenn., Blountville—Road—Sullivan, Jos. A. Caldwell, Judge, sold \$752,000 bonds to Little, Wooten & Co., Jackson, par, accrued interest, \$40,233 premium. 5-10

Tenn., Dyersburg—Water, Light—City sold \$120,000 4¼% bonds, jointly, to Little Wooten & Co., Jackson, and Caldwell & Co., Nashville, \$141 premium. 5-17

Tex., Austin—School—State Bd. of Education purchased \$87,000 bonds.

Tex., Galveston—Galveston County Supt., O. E. Kennedy, sold \$42,000 Santa Fe Consolidated School Dist. bonds to State Bd. of Education.

Tex., Edinburg—Road—Hidalgo County Commrs. sold \$800,000 5½% Mission Road Dist. 5 bonds to Brown-Crummer Co., Wichita, Kan., \$19,200 premium.

Tex., Plainview—Thomas Investment Co., Dallas, purchased \$100,000 4¼% Plainview Independent School Dist. bonds, \$2110 premium.

New Financial Corporations

Ala., Birmingham—Exchange Bank, 2001 Eleventh St., capital \$35,000, organized; K. J. Knight, Pres.; S. Gary Turnley, Cashier.

Fla., Palatka—Palatka Atlantic Nat'l Bank,

(Continued on page 86)



MEDICAL ARTS BLDG.
Shreveport, La.

Financing and Refinancing First Mortgage City Projects

SECURITY to the investor and complete satisfaction to the borrower are the cardinal principles upon which this company's first mortgage real estate loan service is based. In addition to the satisfaction you derive from dealing with this conservative firm, with its sound and progressive policies, your project gains added prestige through First National Company financing.

If you desire to take advantage of the prevailing low money rates, to decrease present charges and increase earnings through refinancing an existing project, we will be glad to consult with you in regard to underwriting a new first mortgage bond or note issue on your property. We are interested in amounts from \$50,000 upward.

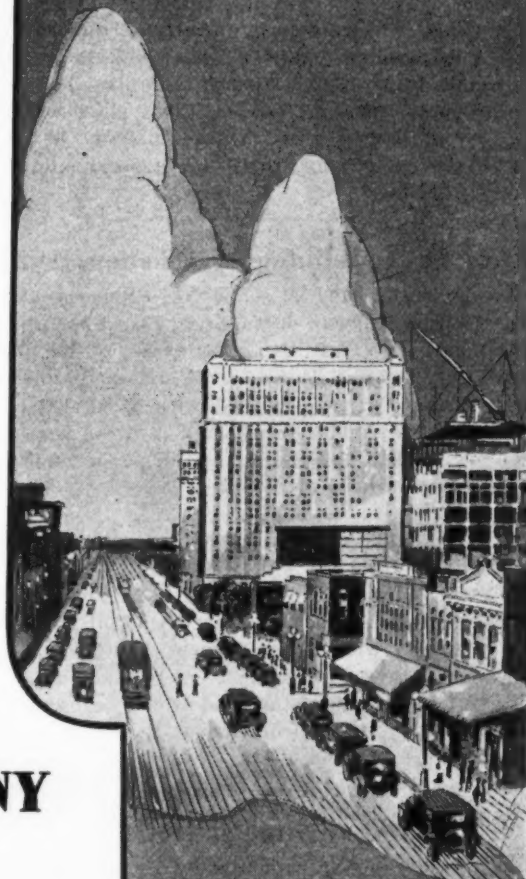
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THE Medical Arts Building, at Shreveport, La., completed April 1st, 1928, is a typical example of the character of first mortgage real estate projects we finance. Our service includes expert counsel in construction loans from the earliest stages to the final completion and occupancy of the finished structure.



TEXAS STREET
Shreveport, La.

FINANCIAL NEWS

(Continued from page 84)

capital \$100,000, organized; J. M. Baker, Pres., care of Atlantic Natl. Bank, Jacksonville.

Ga., Douglasville—First Natl. Bank, Broad St., capital \$25,000, organized; J. R. Hutcheson, Pres.

Ga., Waycross—Morgan Plan Co., Inc., of Waycross, Ga., 215 Parker St., capital \$50,000, organized; W. S. Booth, Pres., Manor; Dr. D. M. Bradley, V.-P.

La., Lafayette — Commercial Natl. Bank, capital \$100,000, chartered; T. L. Evans, Pres.; Frank Dobaillon, Cashier.

Mo., Boonville—Old Trails Bank of Boonville, capital \$50,000, chartered; T. A. Johnston, H. J. Muentzel; H. W. Meyer.

Tex., Temple — First Natl. Bank, capital \$100,000, chartered; F. W. Downs, Pres.; L. Burr, Cashier.

Bd. of Directors of Farmers and Merchants Natl. Bank, Wm. H. Gideon, Pres., Baltimore, Md., voted to organize business corporation, known as Farmers and Merchants Natl. Corp., for making investments which bank cannot make; also to reduce par value of stock from \$40 to \$10 per share.

Nashville Trust Co., Nashville, Tenn., increased capital \$66,000 to \$750,000.

Potomac Joint Stock Land Bank, Geo. A. Harris, Pres., Munsey Bldg., Washington, D. C., plans increasing capital to \$400,000.

Ten Steel Field Engineers.

New York, May 25.—In an effort "to promote sound engineering practice and the welfare of the structural steel industry," the American Institute of Steel Construction has organized, and will shortly place in active service, a staff of 10 district field engineers, to establish contact with engineers, architects, contractors, public officials and technical schools throughout the United States. Data concerning the latest developments in steel construction, leading to a more effective and economical use of the material, will be made available to all charged with the selection of materials and to all responsible for proper design and construction.

To bring about a wider use of structural steel for bridges and buildings, will be one of the chief objectives of the field representatives of the Institute. The country has been divided into 10 districts, with one field engineer assigned to each.

Phillips Petroleum Constructing Gas Plant.

Borger, Tex.—The Phillips Petroleum Company, Bartlesville, Okla., which recently announced the construction of three new gasoline plants in Texas and the enlargement of others, has begun construction of its proposed plant in Hutchinson County, south of Borger. This plant will operate on the well pressure system, consuming about 60,000,000 cubic feet of gas per day and producing approximately 20,000 gallons of gasoline.

Assets Texas Building Associations \$92,000,000.

Austin, Texas, May 26—[Special.]—Reports made to R. B. Cousins, Jr., chairman of the State Board of Insurance Commissioners, show that the gross assets of the building and loan associations of Texas at the end of the last fiscal year were \$92,000,000, as compared with \$1,800,000 eleven years ago. The number of associations has grown from 27 domestic and one foreign in 1916 to 144 domestic and unnumbered foreign associations, up to 1928.

\$4,500,000 Highway Bill Approved by House.

Washington, D. C.—A bill providing an appropriation of \$4,500,000 to build the Arlington Memorial Highway connecting Arlington with Mount Vernon, has been passed by the House of Representatives and sent to the Senate. Under the terms of the measure, the road would be completed in time for use during the celebration of the 200th anniversary of Washington's birth in 1932.

\$1,500,000 Apartment Hotel for Baltimore.

Plans have been announced by the Greenway Apartment Company, J. I. Goldstein, president, Baltimore, for the erection of a \$1,500,000 apartment hotel, Charles street and Bishop's road. The building will be 12 stories, to contain about 200 suites, with single rooms for transient guests. Construction is expected to begin about August 1.

San Antonio Builder Has \$400,000 Program.

San Antonio, Tex.—John P. Morris, contractor of this city, has acquired 30 lots in Woodlawn Park, a suburb of San Antonio, on which he plans to carry out a \$400,000 building program. His initial operations will involve the erection of 10 residences, of stucco, brick and stone construction, ranging in price from \$12,000 to \$30,000 each.

Missouri Asks Bids on 70 Miles Roads.

Jefferson City, Mo.—Bids will be received June 1 by the Missouri State Highway Commission for the construction of approximately 70 miles of roads and a number of bridges. The road work will include 30.27 miles of concrete, 18.82 miles of graded earth, 11 miles of gravel and 9.53 miles of concrete and gravel.

Second National Fuels Meeting.

The second National Fuels meeting will be held in Cleveland, Ohio, September 17 to 20. The fuels division of the American Society of Mechanical Engineers is devoting time and thought to the preparation of a well-rounded selection of subjects and speakers, and arrangements are being made for a number of inspection trips to the leading plants in the vicinity.

\$500,000 Texas Hotel Projected.

Point Isabel, Tex.—The construction of a \$500,000 hotel here will soon be undertaken by F. M. Bartholomew, Indianapolis, Ind., according to information received by the Point Isabel Development Company. The building will be 5 stories, 100 by 120 feet, and will contain 220 rooms. The Dayton Structural Steel Company, Dayton, Ohio, is said to have contract for steel work.

\$300,000 Scottish Rite Building for Galveston.

Galveston, Tex.—Trustees of the Scottish Rite Cathedral, D. W. McLeod, president, has awarded contract to M. C. Bowden, Galveston, for erecting a \$300,000 Scottish Rite building to replace a burned structure. The building will be three stories and will contain an auditorium to seat 700 and a Pilcher pipe organ will be installed. Alfred C. Finn, Houston, is the architect.

San Antonio Votes \$4,755,000 Bond Issue.

San Antonio, Tex.—Voters of this city have approved an improvement bond issue of \$4,755,000, embracing the following items with the sums allotted to each: Sewage disposal plant, \$1,250,000; street widening and straightening, \$600,000; paving and grading, \$750,000; library, \$500,000; river improvements and storm sewers, \$500,000; bridges, \$150,000; additional fire and police stations, \$300,000; park improvements, \$400,000; purchase live stock show and international exposition property, \$250,000, and purchase of old Spanish governor's palace, \$55,000.

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Why No Southern Architect?

Why at least one Southern architect should not have been included in the list of architects named to design the structures for the World's Fair to be held in Chicago in 1933 is a question raised in an article in "Southern Architect and Building News" of Atlanta, and circulated widely by the paper. While the commission "is quite representative of the architectural brains of America," as the article puts it, "it is to be regretted that the selection of this body was not extended southward to include some Southern architect." In this connection, it asks: "Is it still too late for the World's Fair Committee to answer this question by the naming of a Southern man on this architectural commission?"

Two St. Louis Schools to Cost \$720,000.

St. Louis, Mo.—The Board of Education has approved plans of Robert M. Milligan, commissioner of school buildings, for the Sam M. Kennard school to cost \$380,000 and the Lindenwood school to cost \$340,000. The first unit of the Kennard school will consist of a central and eastern wing, to contain 19 class rooms, to cost \$335,000. It will be two stories and will accommodate 1125 pupils. The first unit of the Lindenwood school, to cost \$260,000, will contain 10 classrooms and a kindergarten.

Eastern Silk Mill to Move to Virginia.

Max Meadows, Va.—The Hunderton Silk Throwing Company of Glen Gardner, N. J., announces that it will establish a pure silk mill at Max Meadows and the Business Men's Club here is now working out details. Power will probably be supplied the plant by the Appalachian Electric Power Company, Bluefield, W. Va.

Army Housing Bill Carries \$19,767,000.

Washington, D. C.—A conference report on the army and aviation housing bill, embodying all Senate additions, has been adopted by the Senate, thus completing Congressional action on the measure. The bill authorizes the expenditure of \$13,268,000 for army buildings and \$6,499,500 for hangars and aeronautical equipment.

\$1,200,000 Washington Building Let to Contract.

Washington, D. C.—Bates Warren and associates, William L. Browning, representative, awarded contract to the Charles H. Tompkins Company, Washington, to erect a 12-story office building, 96 by 125 feet, at 14th and K streets, northwest, at a cost of approximately \$1,200,000. Robert F. Beresford, Washington, is the architect.

Fabricated Structural Steel Orders.

New orders of fabricated structural steel in April, as reported to the Department of Commerce by the principal manufacturers, were 63 per cent of capacity, based on total orders of 186,024 tons by fabricators with a capacity of 293,750 tons per month, as against March orders of 69 per cent of capacity and 70 per cent a year ago. Shipments of fabricated structural steel in April represented 65 per cent of the capacity of firms reporting this item, as against 62 per cent in March and 62 per cent a year ago.

Chamber of Commerce for Shubuta, Miss.

Shubuta, Miss.—Business men of this city have organized a chamber of commerce with the following officers: Dr. A. P. Hand, president; W. E. Calhoun, vice-president; J. R. Rogers, secretary, and R. C. Weems, treasurer.



BOND ISSUES

PROPOSALS

BUILDINGS

PAVING

GOOD ROADS



Bids close June 25, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 23, 1928.—SEALED BIDS will be opened at this office, 3 P. M. June 25, 1928, for remodeling and enlarging the U. S. Postoffice at Waxahachie, Texas. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 20, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 21, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 20, 1928, for rehabilitation of river bulkhead, back filling, repairs of isolation ward, fencing and incidental work at the U. S. Quarantine Station, Marcus Hook, Pa. Drawings and specifications may be obtained from the medical officer in charge of the station or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 18, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 17, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 18, 1928, for furnishing all labor and material required for installing new brass water piping, etc., in the U. S. Postoffice and Courthouse at Jackson, Miss. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice and Courthouse at Jackson, Miss., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD: Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 15, 1928.

U. S. Engineer Office, Mobile, Ala.—Sealed bids, in duplicate, for maintenance dredging in Mobile River and Bay channels, Ala., will be received at this office until 11 o'clock A. M. June 15, 1928, and then publicly opened. Further information on application.

Bids close June 28, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 23, 1928.—SEALED BIDS will be received until 3 P. M. June 28, 1928, and then publicly opened, for remodeling and enlarging the U. S. Postoffice, Fredericksburg, Va. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 5, 1928.

PROPOSALS FOR STEEL HULL—Office, Third Mississippi River District, P. O. Box 404, Vicksburg, Miss. Sealed bids for constructing one Steel Hull for Mat Barge and delivering it at Vicksburg, Miss., will be received here until 11 A. M., June 5, 1928, and then opened. Information on application.

Bids close June 20, 1928.

Invitations have been issued by the Architect of the Capitol for the presentation of plans, specifications and estimates for the ventilation and air conditioning of the Hall of the House of Representatives, and bids therefor will be opened on Wednesday, June 20, 1928, at 2 o'clock P. M. Detailed information concerning the work to be performed can be obtained by addressing David Lynn, Architect of the Capitol, Washington, D. C.

Bids close June 6, 1928.

Sealed Bids, indorsed "Bids for Kitchen Equipment, Specification No. 5603," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M. June 6, 1928, and then there publicly opened, for kitchen equipment for barracks at the Marine Barracks, Quantico, Va. Specification No. 5603 and accompanying drawings may be obtained on application to the Bureau or to the Commanding General, Marine Barracks, Quantico, Va. Deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, is required for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, May 8, 1928.

Bids close June 5, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received by the U. S. Veterans' Bureau, Room 791 Arlington Building, Washington, D. C., until 11 A. M. June 5, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Infirmary Building No. 1, including roads, walks and drainage at U. S. Veterans' Hospital, Fargo, North Dakota. This work will include excavating, reinforced concrete construction, hollow tile, brickwork, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weatherstrips, insect screens, painting, glazing, hardware, plumbing, heating, including boiler-plant equipment; electrical work, electric elevator, radial brick or concrete chimney and outside sewer, water and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$25, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. May 12, 1928.

Bids close June 27, 1928.

\$536,750 5% School Bonds

Lafayette, La.

The Board of School Directors of Lafayette Parish, Lafayette, Louisiana, will, up to 11 o'clock on the Twenty-seventh day of June, 1928, receive sealed bids for the purchase of \$536,750 Bonds of Consolidated School District Number 11 of Lafayette Parish, Louisiana. These bonds are issued for the purpose of acquiring lands for building sites and playgrounds and purchasing, erecting, improving, equipping and furnishing school buildings and teachers' homes in said District; are of the denomination of \$1000 each, except one (1) bond, which is of the denomination of \$750; are dated July 2, 1928, and mature serially on July 2 of each of the years 1931 to 1938, inclusive. These bonds bear interest at the rate of five per cent (5%) per annum, payable semi-annually on the second days of January and July of each year, and bidders are requested to so condition their bids. Principal and interest shall be payable at a bank fixed by the purchaser.

Each bid shall be addressed to J. W. Faulk, Superintendent of said Parish, and shall be accompanied by a certified check for \$27,000, payable to the order of J. W. Faulk, Superintendent, and payable unconditionally as evidence of the good faith of the bidder. Checks of the unsuccessful bidders will be returned to them promptly, and the check of the successful bidder will be returned to him upon his taking up and paying for the bonds, in accordance with his bid, or will be forfeited to said Consolidated School District Number 11 as full liquidated damages in the event of his failure to comply with the terms of his bid.

The District will furnish the approving opinion of Messrs. Chapman and Cutler, Lawyers, Chicago, Illinois, under whose direction all proceedings have been prepared, and all bids must be so conditioned. Blank bonds are to be furnished by the purchaser.

If any bidder desires to specify, as a condition of his bid, that the proceeds of the sale shall be deposited in a bank of his selection, as permitted by Act Number 13 of 1924, he is requested to also submit an additional bid stating the amount of premium he is willing to pay without the privilege of the selection of a depository.

The Board reserves the right to reject all bids. Bonds must be sold at not less than par.

J. W. FAULK,
Parish Superintendent.

Bids close June 18, 1928.

\$6000 District Road Bonds

Independence, Va.

The Board of Supervisors of Grayson County will sell by sealed bids or at public auction \$6000 Wilson District Road Bonds on June 18, 1928, at 2 P. M. at Independence, Va., at the Courthouse. Interest 5% semi-annually. Issued July 1, 1928. Time 1 to 10 years. Denomination \$600 each. Certified check required, \$150. Financial Statement furnished on request. Bidder to furnish bonds.

BOARD OF SUPERVISORS OF GRAYSON
COUNTY, VA.

By JOE W. PARSONS, Clerk.

Bids close July 31, 1928.

**Proposals for Bridge Franchise
Across the Red River at or
Near Coushatta, Louisiana**

Baton Rouge, La.

The Louisiana Highway Commission will, at 11 o'clock A. M. on TUESDAY, JULY 31, 1928, at its offices in the Raymond Building, Baton Rouge, Louisiana, receive proposals for the construction, operation and maintenance of a highway traffic bridge across the Red River at or near Coushatta, Louisiana. All proposals must be in sealed envelopes, addressed to the Chairman of the Louisiana Highway Commission, and must be accompanied by a certified check for \$10,000, payable to the Louisiana Highway Commission, as an evidence of good faith. All checks of unsuccessful bidders to be immediately returned after the franchise has been awarded. The check of successful bidder will be retained by the Commission until it is replaced with a bond for \$25,000, with the successful bidder as principal, and a surety company authorized to do business in the State of Louisiana as surety, conditioned upon the beginning of the work upon the bridge at such time as may be specified in the franchise. All bidders must be able to furnish bond of five (5%) per cent of the estimated cost of the bridge conditioned upon the faithful performance of the franchise, to be filed with the Louisiana Highway Commission at the time the work on the said bridge is begun.

Bids may be made in the alternative for either an exclusive highway traffic bridge, or a combination railroad and highway traffic bridge, and provision must be made in all of the proposals submitted for the amortization of that portion of the bridge devoted to highway traffic, if a combination bridge, or for the entire bridge, if an exclusive highway traffic bridge, with further provision for making the bridge free for highway traffic at the earliest possible time.

The Commission reserves the right to reject any and all proposals, or to select the proposal which seems most desirable and advisable for developing and perfecting the State Highway System of this State, and to enter into a contract accordingly.

LOUISIANA HIGHWAY COMMISSION.
By FRANK T. PAYNE,
Chairman.

Bids close July 31, 1928.

**Proposals for Bridge Franchise
Across the Mississippi River
at or Near Baton Rouge,
Louisiana**

Baton Rouge, La.

The Louisiana Highway Commission will, at 11 o'clock A. M. on TUESDAY, JULY 31, 1928, at its offices in the Raymond Building, Baton Rouge, Louisiana, receive proposals for the construction, operation and maintenance of a highway traffic bridge across the Mississippi River at or near Baton Rouge, Louisiana. All proposals must be in sealed envelopes, addressed to the Chairman of the Louisiana Highway Commission, and must be accompanied by a certified check for \$10,000, payable to the Louisiana Highway Commission, as an evidence of good faith. All checks of unsuccessful bidders to be im-

mediately returned after the franchise has been awarded. The check of the successful bidder will be retained by the Commission until it is replaced with a bond for \$25,000, with the successful bidder as principal and a surety company authorized to do business in the State of Louisiana, as surety, conditioned upon the beginning of the work upon the bridge at such time as may be specified in the franchise. All bidders must be able to furnish bond of five (5%) per cent of the estimated cost of the bridge conditioned upon the faithful performance of the franchise, to be filed with the Louisiana Highway Commission at the time the work on the said bridge is begun.

Bids may be made in the alternative for either an exclusive highway traffic bridge, or a combination railroad and highway traffic bridge, and provision must be made in all of the proposals submitted for the amortization of that portion of the bridge devoted to highway traffic, if a combination bridge, or for the entire bridge, if an exclusive highway traffic bridge, with further provision for making the bridge free for highway traffic at the earliest possible time.

The Commission reserves the right to reject any and all proposals, or to select the proposal which seems most desirable and advisable for developing and perfecting the State Highway System of this State, and to enter into a contract accordingly.

LOUISIANA HIGHWAY COMMISSION.
FRANK T. PAYNE,
Chairman.

Bids close June 5, 1928.

State Highways

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building eight sections of State Highway as follows:

Montgomery County, Cont. M-67—One section of State Highway from Claysville toward Olney for a distance of 1.0 mile. (Concrete.)

Harford County, Cont. H-65—One section of State Highway from Level toward Darlington for a distance of 0.97 mile. (Concrete.)

Dorchester County, Cont. D-49—One section of State Highway between Thomas Corner and Secretary for a distance of 1.02 miles. (Concrete.)

Allegany County, Cont. No. 258-A—One section of State Highway along the Bedford Road from the Naves Cross Road toward the Penna. State Line for a distance of 3.28 miles. (Concrete Shoulders and Resurfacing.)

Howard County, Cont. Ho-36-A—One section of State Highway along the Lawyers Hill Road from the Washington-Baltimore Blvd. to the Montgomery Road, a distance of 1.82 miles. (Macadam Shoulders.)

Harford County, Cont. No. 105-A—One section of State Highway along the Pylesville Road from the Penna. State Line toward Pylesville for a distance of 2.0 miles. (Concrete Shoulders.)

Harford County, Cont. H-16-A—One section of State Highway between Swann Creek and Havre de Grace, a distance of 2.97 miles. (Concrete Shoulders.)

Cecil County, Cont. Ce-11-B—One section of State Highway between North East and Elkton for a distance of 4.67 miles. (Concrete Shoulders and Resurfacing.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 5th day of June, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 17th day of May, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close June 19, 1928.

Roads and Bridges

Dover, Del.

Sealed proposals will be received by the State Highway Department at its office, Dover, Delaware, until 2.30 o'clock P. M. June 19, 1928, and at that place and time publicly opened, for contracts involving the following approximate quantities:

CONTRACT 91**LEWES BRIDGE**

Erection of Temporary Span.

- Erection of Bascule Span.
- 450 Cu. Yds. Dry Excavation.
- 400 Cu. Yds. Wet Excavation.
- 550 Cu. Yds. Class A Concrete.
- 25,000 Lbs. Reinforcement.
- 9,000 Lbs. Structural steel.
- 30 Lin. Ft. 18-in. Corrugated Metal Pipe.
- 30 Lin. Ft. 18-in. R. C. Pipe.
- 3 M. Ft. B. M. Fender Timber Caissoned.
- 400 Lin. Ft. Fender Timber Piling Caissoned.
- 2,100 Lin. Ft. Foundation Piling.

CONTRACT 100**TIMBER BRIDGE, OCEAN VIEW**

- 50 Cu. Yds. Excavation.
- 35,882 Lbs. Structural Steel.
- 640 Lin. Ft. Timber Piling.
- 610 Sq. Ft. Steel Traffic Plates.
- 17 M. Ft. B. M. Caissoned Timber (left in place).

CONTRACT 110**MILFORD CROSS ROADS-THOMPSON STATION, 2.1 MILES**

- 7,500 Cu. Yds. Excavation.
- 3,000 Cu. Yds. Borrow.
- 150 Tons Broken Stone Base Course.
- 2,900 Cu. Yds. Cement Concrete Pavement.
- 80 Cu. Yds. Class A Concrete.
- 3,000 Lbs. Reinforcement.
- 220 Lin. Ft. 15-in. Corrugated Metal Pipe.
- 80 Lin. Ft. 15-in. R. C. Pipe.
- 60 Lin. Ft. 24-in. R. C. Pipe.
- 30 Lin. Ft. 36-in. R. C. Pipe.
- 100 Lin. Ft. Relaid Pipe, 18 in. and under in diam.
- 1,000 Lin. Ft. 4-in. Pipe Underdrain.
- 800 Lin. Ft. Woven Wire Guard Rail.
- 1,600 Lin. Ft. Wood Shoulder Curb.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the construction of State Highway Contract No."

The contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Complete sets of plans and specifications may be obtained upon receipt of two dollars (\$2) for each contract, which amount will not be refunded.

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids close June 12, 1928.

Concrete Roads

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building five sections of State Highway as follows:

Montgomery County, Cont. M-101—One section of State Highway from Olney toward Laytonsville for a distance of 1.0 mile. (Concrete.)

Montgomery County, Cont. M-95—One section of State Highway from end of Cont. M-76 near Brookville toward Sunshine for a distance of 1.0 mile. (Concrete.)

Montgomery County, Cont. M-103—One section of State Highway along the Old Georgetown Road from the end of the concrete shoulders to the Rockville

Pike, a distance of 0.92 mile. (Concrete.)

Prince George's County, Cont. P-83—One section of State Highway along the Ray Road from the end of Cont. P-79 to the Riggs Road, a distance of 0.47 mile. (Concrete.)

Wicomico County, Cont. W-43—One section of State Highway along Isabella Street, Salisbury, between Main Street and Division Street, a distance of 0.91 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 12th day of June, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 24th day of May, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close June 29, 1928.

Street Improvements

DeQuincy, La.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of DeQuincy, Louisiana, at the Town Hall up to 7.30 P. M. June 29, 1928, at which time they will be opened and considered, for furnishing all labor, material and equipment and constructing street improvements with funds from bond issue of \$60,000 recently voted and sold.

The street pavement will be concrete, asphalt, brick or equal type of surfacing; also curb and gutter, grading and storm drainage, consisting of approximately the following quantities:

- 11,500 Cubic Yards Roadway Excavation.
- 23,000 Square Yards Roadway Pavement.
- 3,500 Lineal Feet 6-in.x18-in. Concrete Curb and Gutter.
- 960 Lineal Feet 6-in.x12-in. Concrete Header.
- 18,000 Lineal Feet 6-in.x12-in. Concrete Flush Curb (alternate).
- 850 Lineal Feet 15-in. Storm Sewers.
- 1,625 Lineal Feet 18-in. Storm Sewers.
- 1,020 Lineal Feet 21-in. Storm Sewers.
- 865 Lineal Feet 24-in. Storm Sewers.
- 320 Lineal Feet 30-in. Storm Sewers.
- 40 Lineal Feet 2-ft.x4-ft. Concrete Box Culvert.
- 10 Manholes.
- 17 Curb Inlets.
- 17 Special Inlets.
- 50 Cubic Yards Class "B" Concrete Head Walls.

Plans and specifications are on file with the Town Clerk at the Town Hall in DeQuincy and the town's Engineers, The J. B. McCrary Company, Atlanta, Georgia. Copies of specifications may be secured from Engineers on deposit of \$5, which will be returned to bona fide bidders. Copies of plans may also be secured from Engineers on payment of \$15, which amount will NOT be returned.

Each bid shall be accompanied by a certified check for 5% of amount bid, made payable to the Town of DeQuincy, said check to be forfeited to said town in event contract is awarded and contractor fails to make bond and sign the contract. A bond for faithful performance of contract and the payment for all labor and material as required by law will be required of the contractor in the amount of 50% of contract price.

The Mayor and Board of Aldermen reserve the right to reject any or all bids, or to award the contract as they believe will best serve the interests of the citizens of DeQuincy.

TOWN OF DEQUINCY, LOUISIANA.

By W. E. HOLBROOK, Mayor.

M. M. SMITH, Clerk.

THE J. B. MCCRARY COMPANY,
Engineers,
Atlanta, Georgia.

Bids close June 5, 1928.

Street Improvements

Jackson, Tenn.

Sealed proposals will be received by the undersigned until 10 o'clock A. M. on Tuesday, June 5, 1928, for the improvement of certain streets in the City of Jackson, Tennessee, in accordance with plans, profiles and specifications now on file in the office of the City Commission, approximating 13,000 sq. yds. of concrete pavement, 13,500 lineal feet of curb and gutter, together with the necessary storm water sewers and the appurtenances thereto. Each bid must be accompanied by a certified check or bidder's bond in the amount of 10% of the cost of the entire work computed on the basis of the bid submitted. The right is reserved to reject any or all bids. At 10 o'clock A. M. on said date all bids will be opened and publicly read.

R. E. FRANKLIN,

Commissioner of Public Utilities.

E. R. DIKE,
City Engineer.

Bids close June 26, 1928.

Water Works

Kingsport, Tenn.

Sealed proposals for furnishing materials and constructing additional water-supply works will be received by the City of Kingsport, Tennessee, at the office of the City Manager until two (2) P. M., Eastern Standard Time, Tuesday, June 26, 1928.

The work will consist of constructing a raw-water pumping station, a filtration plant of 2 M. G. D. capacity, a steel storage tank of one million gallons capacity and laying approximately nine and one-half miles (9½) of cast-iron pipe lines from 6 to 20 inches in diameter.

Each proposal must be accompanied by a certified check, payable to the City of Kingsport, in an amount equal to five (5%) per cent of the bid as a guarantee that the contract will be entered into if awarded. A bond equal to one hundred (100%) per cent of the contract price will be required of the successful bidder as surety that he or it will pay for all the materials and labor used in said contract and for the faithful performance of same.

Plans and specifications are on file at the office of the City Engineer at Kingsport, Tennessee, and with Wiedeman & Singleton, Engineers, Atlanta, Ga.

Bidders may obtain copies of the specifications from the Engineers by enclosing certified check for twenty-five (\$25) dollars, payable to the City of Kingsport. Blueprints may be had at the cost of printing. If plans and specifications are returned within thirty days after opening of bids, the check for twenty-five dollars (\$25) will be returned. The city reserves the right to reject any or all bids.

F. L. CLOUD,
City Manager.

Bids close June 13, 1928.

Hangar

Orlando, Fla.

Sealed proposals will be received by the City Commissioners of the City of Orlando, Florida, at the office of the City Clerk in the City Hall at Orlando, Florida, until 10 o'clock A. M. June 13, 1928, for the construction of one Airplane Hangar as per general sketch and specifications.

Proposals for this work shall be presented in a sealed package or envelope, marked "BIDS FOR HANGAR." Bidders should submit with their bid complete detailed plans and specifications, showing the hangar they propose to construct.

Each proposal should be accompanied by a certified check in the amount of \$250, made payable to the City of Orlando, Florida. The successful bidder will be required to give bond satisfactory to the city in the sum of the contract price for the faithful performance of the work.

The City Commissioners reserve the right to reject any or all bids or to award a bid to any bidder whose bid they believe to be to the best interest to the city.

(General sketch and specifications may be obtained by addressing the City Engineer, City Hall, Orlando, Florida.)

Bids close July 10, 1928.

Hydro-Electric Power Plant

Cordele, Ga., May 9, 1928.
Sealed proposals will be received at 10 A. M., Standard Eastern Time, Tuesday, July 10, 1928, by the Hydro-electric Power Commissioners of Crisp County, Georgia, in the Commissioners' office in the Courthouse in Cordele, Crisp County, Georgia, for furnishing all labor, tools, machinery, accessories, temporary buildings and structures, material, equipment and supplies and everything incident and necessary and required for the construction of a complete hydro-electric plant complete with two water-wheel-driven generators installed therein.
Plant to be located on Flint River, in Worth and Lee Counties, near Warwick, Worth County, Georgia.

Information can be obtained from:
Mr. J. J. Williams, Chairman, Power Commission, Cordele, Georgia.

Emmet S. Killebrew, Chief Engineer, Albany, Ga.

J. E. Serrine & Co., Consulting Engineers, Greenville, South Carolina.

Plans and Specifications can be secured from the Chief Engineer upon deposit of One Hundred (\$100) Dollars, Seventy-five (\$75) Dollars of which will be refunded upon return of said plans in good condition within 30 days after contract has been awarded.

All proposals shall be sealed and addressed to Mr. J. J. Williams, Chairman Power Commission, Cordele, Ga., and shall be plainly labeled on outside wrapper "Proposal Number (I)," "Proposal Number (II)," "Proposal Number (III)," conforming to bidding.

PROPOSALS ARE invited covering the following general divisions constituting this project:

UNDER NO condition or conditions will contract or contracts for hydraulic and electrical equipment covered by proposals numbers (II) and (III) be executed with any person, firm or corporation other than the manufacturer thereof.

PROPOSAL NUMBER (I)

Buildings, structures, accessories, hoisting equipment, earth-fill dams, excavation, etc., etc.

PROPOSAL NUMBER (II)

Hydraulic Machinery, including governors, oil pumps, oil tanks, piping, etc., etc., erected complete, tested and put in operation.

PROPOSAL NUMBER (III)

Electrical Machinery, accessories, switch-board, wiring, etc., etc., erected complete, tested and put in operation.

EACH bid must be accompanied by a certified check, payable to the Power Commission of Crisp County, for an amount equal to 5% (five per cent) of the amount of the bid to guarantee that the successful bidder will, within ten (10) days from the date of notice of award of contract, enter into contract with the Power Commission of Crisp County for the performance of the work, and execute an acceptable collateral or other satisfactory bond to an amount of one

hundred (100%) per cent of the contract price for the full and faithful performance and execution of all conditions of the contract, and in accordance with the plans, specifications, conditions and requirements as stipulated in call for bids. The proceeds of such checks are to become the property of the Power Commission of Crisp County, Georgia, if for any reason whatever the bidder withdraws from the competition after opening of bids, or refuses to execute the required contract and bond, if his bid is accepted.

NO BIDDER'S BOND WILL BE ACCEPTED.

Checks will be returned after the approval of the contract and bond executed with the successful bidder.

The Commission, at their discretion, may return such checks as they see fit before the signing of the contract.

NO BIDS will be considered except those who are experienced hydro-electric builders, and these shall have adequate equipment and satisfactory financial rating and be authorized to do business in the State of Georgia as required by law.

THIS project is for Crisp County, Georgia, and consists briefly of approximately:

- 14,000 cubic yards limestone excavation.
- 50,000 cubic yards earth excavation.
- 230,000 cubic yards earth-fill dams.
- 25,000 cubic yards Class "A" reinforced concrete.
- 500 tons structural steel.
- 1,000 tons reinforcing steel.
- 1 brick building, 40 ft. x 150 ft. x 50 ft. high.
- 2 3600-horsepower vertical water wheels and generators installed complete.

THE Commission reserves the right to reject any or all bids.

J. J. WILLIAMS, Chairman;

P. F. FITZGIBBONS,

Vice-Chairman;

J. W. CANNON,

JERE SLADE,

J. S. SHEPPARD,

J. A. SLOAN,

LOREN WILLIAMS,

Commissioners.

JUDGE W. P. FLEMING,

Secretary.

EMMET S. KILLEBREW,

Chief Engineer,

Albany, Georgia.

J. E. SERRINE & COMPANY,

Consulting Engineers,

Greenville, S. C.

Bids close June 6, 1928.

Sanitary Sewers

Port Gibson, Miss.

Bids will be received for the construction of a Sanitary Sewer System by the Town Clerk of Port Gibson, Miss., at five (5) o'clock P. M. June 6, 1928, in the Town Hall, at which time they will be opened and read.

Plans and specifications on file in the office of the Town Clerk and at office of P. A. O'Brien, Engineer, 411 Edwards

Hotel, Jackson, Miss.

A deposit of \$15 must accompany request for plans and specifications; this amount refunded on return of plans.

Lowest or any bid not necessarily accepted.

A certified check or bid bond for \$500 must accompany each bid.

BOARD OF MAYOR AND ALDERMEN OF

PORT GIBSON, MISS.

C. R. WHARTON, Town Clerk.

P. A. O'BRIEN, Engineer.

Bids close June 6, 1928.

School Supplies and Equipment

DEPARTMENT OF EDUCATION

OFFICE OF THE

BOARD OF SCHOOL COMMISSIONERS
MADISON AND LAFAYETTE AVENUES
Baltimore, May 23, 1928.

Separate sealed proposals, in duplicate, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, June 6, 1928, endorsed as follows:

"Proposals for Furnishing Supplies and Equipment for Mechanical Drawing Classes for the Department of Education."

"Proposals for Furnishing Machinery, Equipment, Tools and Supplies for General Shops for the Department of Education."

"Proposals for Furnishing Machinery, Equipment, Tools and Supplies for Printing Shops for the Department of Education."

"Proposals for Athletic Supplies for the Department of Education."

"Proposals for Health Suite Supplies for the Department of Education."

Specifications for either of the above may be obtained at the office of the Director of Business Management of the School Board, corner Madison and Lafayette Avenues, Baltimore, Md.

Each bid for Supplies and Equipment for Mechanical Drawing Classes must be accompanied by a certified check of the bidder for \$50; each bid for Machinery, Equipment, Tools and Supplies for General Shops must be accompanied by a certified check for \$50; each bid for Machinery, Supplies, Equipment and Tools for Printing Shops must be accompanied by a certified check for \$50; each bid for Athletic Supplies must be accompanied by a certified check for \$50; each bid for Health Suite Supplies must be accompanied by a certified check for \$25, each made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank.

The successful bidder will be required to give bond for the faithful performance of his contract in an amount equal to the contract price, and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

JOSHUA R. JOLLY,

Acting Secretary Board of

School Commissioners.

Approved May 23, 1928.

WILLIAM F. BROENING,

President Board of Awards.



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TEXAS—Farms and ranches; mineral lands, leases and royalties; Rio Grande Valley irrigated lands; Dallas City property; lists free. Without charge, will loan your money at 6 or 7%, secured by first mortgage, not to exceed 50% of value of Dallas property and protected by Guarantee Title policy for full amount of your loan. C. H. C. ANDERSON, 709-12 Linz Bldg., Dallas, Tex.

COAL LANDS AND MINES

FOR SALE OR LEASE—1200 acres high-grade Cannel coal, located in Campbell County, Tennessee. Address C. O. BAIRD, Box 1554, Knoxville, Tennessee.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TIMBER AND TIMBER LAND

12,000 ACRES Virgin White and Red Oak timber, well located to highway, railroad. Estimated cut 50,000,000 ft. Write Security Abstract Co., DeQueen, Arkansas.

FOR SALE—1½ million feet, more or less, of standing timber, principally pine and gum, with some hickory, oak and poplar, on line of Frisco Railroad, ten miles from Columbus, Miss. J. W. C., Box 548, New Orleans, La.

FARM AND TIMBER LAND

FOR SALE—58,000 acres land in North Florida, 13,000 acres of which is well timbered, balance cut over 25 years ago. Fine agricultural land; \$8.50 per acre. Address P. O. Box 2884, St. Petersburg, Florida.



FARM, FRUIT AND TRUCK LANDS

FLORIDA

THE SLUMP IS OVER

For more than two years now we have been hearing "The Boom is Over." The slump is over now. Send today for booklets and list of Groves, Farms and Investments. Tampa-West Coast Realty Co. (Inc.), Opp. Post-office, "Since before the War," Tampa, Fla.

MISSISSIPPI

FOR SALE—Four farms, with improvements (aggregating 1063 acres), suitable for anything grown in the South; also dairy. Terms to suit purchaser; located in Stone County.

E. E. COLMER, McHenry, Miss.

NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

If interested

FOR HOME OR FOR INVESTMENT
In the great and rapidly developing
STATE OF NORTH CAROLINA,
especially in its leading city, Charlotte, or
in a Southern Cotton Mill or Southern Mill
Stocks, write to

F. C. ABBOTT & CO.,
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

TEXAS

FOR SALE—Forty thousand acres finest land, winter garden of Texas; \$3.00 cash, balance easy. Also some of best cheap ranches—cattle, goats, sheep—\$3.50 acre up; good terms. R. J. THOMAS, Kirby Bldg., Dallas, Texas.

BUSINESS OPPORTUNITIES

FOR RENT—Full equipped tobacco re-drying plant, located in Georgia town of 8000 population, center tobacco belt. Write Fitzgerald Development Co., Fitzgerald, Ga.

50,000 ACRES hardwood timber, mill, etc. Take some trade. I have a large Cotton Plantation to trade for tract of good timber; many other big trades. BOB WORKMAN, P. O. Box 3089, Tampa, Fla.

FOR SALE—A going mill and industrial mill supply business in the industrial section of Virginia. Excellent railroad and water facilities. Good reason for selling offered at a reasonable price. For full particulars, No. 6910, care of Manufacturers Record.

AN OLD WELL established machinery sales house, located in one of the best territories in the South, wants an active, aggressive salesman, one familiar with material-handling equipment, to take an active interest in the business. For full particulars No. 6909, care of Manufacturers Record.

FOR SALE—Extensive core-drilled verde antique marble deposit; complete manufacturing plant and equipment; good railroad facilities. Beautiful and rare stone, commanding a high price, with ready market. Proposition too large for present owners. Big opportunity for new organization. Paul H. Jamison, Box 405, Roanoke, Va.

PUBLIC UTILITIES WANTED

HAVE CLIENTS with money to invest in public utilities, electric-power plants, water-works systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY
Woolworth Building New York City

FACTORY BUILDING

FACTORY BUILDING AVAILABLE

In Southern town of 3000 population. Two-story brick building, with 10,000 feet floor space; steam heated, sprinkler system, electric lights, large windows; located on railroad. Suitable for textile mill, hosiery mill or similar use. Healthful location, good water, sewers, paved streets; labor plentiful and cheap. Liberal co-operation of citizens. No. 6894, care of Manufacturers Record.

INDUSTRIES WANTED

INDUSTRIES WANTED

at Buchanan, in the Valley of Virginia. On the historic James River and nationally noted highway leading from Canada and New England to the South and Southwest, twenty-five miles north of Roanoke City. 100 acres free sites on either the Norfolk & Western or Chesapeake & Ohio Railways. Splendid location for manufacturing plants such as textile goods, rayon, furniture of both hard and soft woods; unlimited electric power. Water analysis shows special fitness for textiles of all kinds. Survey shows abundant labor, both male and female. Splendid farming and dairying territory adjacent. Schools the highest standard. Banking facilities adequate for all demands. Full information furnished by Industrial Committee of Business Men's Club.

INDUSTRIAL PLANTS

A COMPLETELY EQUIPPED MILLWORK MANUFACTURING PLANT at Spartanburg, S. C., for Rent. A wonderful opportunity to the right party. Address SPARTANBURG LUMBER MFG. CO.

FOR SALE—Factory Building on Private Switch Track. Full particulars upon request.

PIPES & JOHNSON, Realtors,
339 Carondelet St., New Orleans, La.

FOR SALE—SAVANNAH, GEORGIA.

Excellent Factory or Warehouse in City limits; location and building on Seaboard Air Line Railroad, with private track along side of building. Warehouse 306x100 and over 178,000 square feet of land. Plenty of cheap labor, white and colored. Address HUE THOMAS, Savannah, Georgia.

WE HAVE for sale or rent, located in the heart of the city, Brick Building, size 40 by 200 feet, with 2 floors and concrete basement, side track and electric elevator, suitable for any Wholesale or Manufacturing Enterprise. For particulars address THE ARMFIELD COMPANY, Fayetteville, N. C.

OWNERS OF GOING FOUNDRY and machine shop business want to sell the foundry alone to experienced foundry executive. Good opportunity for jobbing trade in addition to regular tonnage supplied in machine shop. Average daily pour this year approximately eight and three-quarter tons. Full details upon application. Address No. 6911, care of Manufacturers Record, Baltimore, Md.

FOR SALE—Woodworking plant; buildings large and substantial; machinery modern, high speed; brick dry kilns, railroad siding. Located in good town in the Southeast on three trunk-line railroads. Mill can be operated as a planing and moulding mill or as a hardwood specialty mill. Hardwood and pine lumber and timber available. Terms to responsible parties. Address No. 6903, care Manufacturers Record, Baltimore, Md.

PATENT ATTORNEYS

FREE "PATENT PARTICULARS"
Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F. Washington, D. C.

PATENTS—Booklet free. Highest references. Best results. Promptness assured. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St. N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS
Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

AGENCIES WANTED

WANTED—Agency Manufacturer's Line to sell to Hardware trade of Minn., North Dak. and Northern Wis. E. S. DeLancey, Kedney Warehouse, Minneapolis, Minn.

REPRESENTATIVES WANTED

DISTRIBUTORS WANTED

to sell
OLD VIRGINIA STYLE CURED HAMS
If you want exclusive territory and to be protected with account, giving you exclusive rights in a certain territory, would suggest that you wire us at once. We have the best Old Virginia Style Cured Hams on the market.
VIRGINIA-TENNESSEE HAM COMPANY,
Greenville, Tenn.

SITUATIONS WANTED

ASSOCIATION SECRETARY, age 47, married, with twenty-five years' experience as industrial, trade and trade-promotion secretary, thoroughly familiar with organizing and supervising co-operative trade-extension campaigns, experienced public speaker and writer, experienced counsellor on labor problems, willing to locate in any part of the country; can give high-class references. For detailed information, references, etc., address No. 6907, care of Manufacturers Record, Baltimore, Md.

MEN WANTED

SALESMEN calling on power plants to sell "Millmet" fibre-metallic and plastic metallic packings. Reliable products of established business. Excellent commissions; repeat orders; steady income. References.
N. BRUCE MILLER,
98 Park Place, New York, N. Y.

SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.
R. W. BIXBY, INC.,
103 Downtown Bldg., Buffalo, New York.

CONTRACT WORK WANTED

PLATE WORKING MACHINERY—a complete line.
General and Special Machinery.
Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs.
Brass, Bronze and Aluminum to 10,000 lbs.
COVINGTON MACHINE COMPANY, INC.,
Engineers Founders Machinists
Covington, Va.

MACHINERY AND SUPPLIES

FOR SALE—Two Ingersoll-Rand, 12x12, Class E. R. I., air compressors, \$500 each, F. O. B. Car.
J. B. PURCELL, Scott, Miss.

FOR SALE—One 125 h.p. Bessemer oil engine. This engine has had a lot of new parts put in it, and should give years of service. Have discontinued the use of it on account of favorable electric rate.
HICO ICE & COLD STORAGE COMPANY,
Hico, Texas.

ICE-MAKING AND REFRIGERATING MACHINERY—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. GEISER MANUFACTURING COMPANY, "Department E," Waynesboro, Pa.



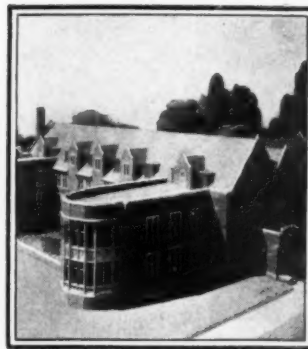
Queen of Los Angeles Hospital
Los Angeles, Cal.



Samaritan Hospital
Philadelphia, Penna.



Henry Ford Hospital
Detroit, Mich.



Princeton Infirmary
Princeton, N. J.



Starling Loving Hospital
Columbus, Ohio



Englewood Hospital
Englewood, N. J.



Creedmoor Hospital
New York, N. Y.



Sutter Hospital
Sacramento, Cal.

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All over the country—wherever fine hospitals are built or old hospitals rejuvenated you'll walk on these modern resilient floors. Sanitary, comfortable, quiet—BONDED FLOORS make life easier for patients and hospital staff. Durability, built into BONDED FLOOR materials, is made doubly sure by scientific installation.

Tangible pledge of that durability is obtainable in the form of a Guaranty Bond, issued by the U. S.

Fidelity & Guaranty Company with every BONDED FLOOR installed according to our specifications.

Write our department M, please, for information on BONDED FLOORS of battleship and jaspé linoleum, cork carpet, cork-composition tile and cork tile—for every type of building.

BONDED FLOORS COMPANY, INC.

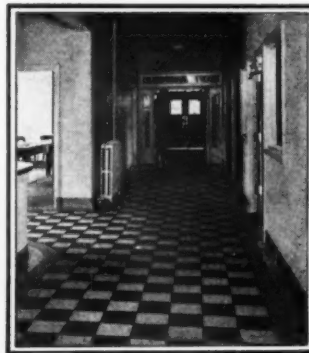
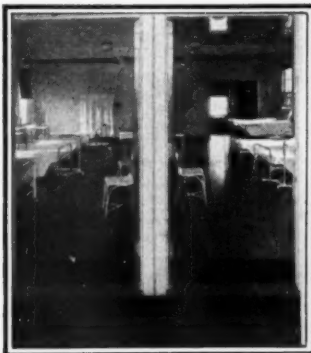
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W. A. LIPPINCOTT, Inc., Atlanta, Ga., Charlotte, N. C., Jacksonville, Fla.
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Backed by a



Guaranty Bond



*The performance of the
steam shovel is the yard stick
by which all shovel
performance is measured*

ONE frequently hears the expression that a machine has "the flexibility of steam." The steam shovel is driven by three independent throttle controlled engines, the engines being designed to give high speeds under light loads, low speeds under heavy loads and to stall under extreme loads. The single gas engine of the gas driven shovel is governor controlled and its speed is practically constant under all loads—the direct opposite of the steam engine.

Three-motor electric drive gives practically the same performance as the three steam engines and on the gas-electric, the gas engine drives the electric generator only to make power for the three electric motors—one each for the hoist, swing and crowd. Thus, we have combined the economy and convenience of gasoline with the flexibility of electricity to make a gas driven shovel which may truly be said to have "the flexibility of steam."

THE MARION STEAM SHOVEL COMPANY
MARION, OHIO, U. S. A.

28035

The Gas-
Electric Prin-
ciple is right
—it is built
right—it per-
forms right



Gasoline
for fuel

Electricity
for power

MARION

